



***NORTON***

**Marine Market**

**ABRASIVE TECHNOLOGICAL EXCELLENCE**



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NOTE: The dimensions indicated in this catalogue are expressed in millimetres, unless otherwise indicated.

# INTRODUCTION



## SAINT-GOBAIN

Saint-Gobain is one of the top 100 industrial groups in the world. A leader in material processing and transformation, it holds pre-eminent positions with over 1,200 companies operating in 46 countries, employing over 180,000 people, with a turnover of more than € 40 billion in 2006 dedicating an investment of approximately € 345 million to research and development each year.

Founded in France in 1665 and present in Italy since 1889 with glass production in the historical Pisa premises, over the years the Company has developed and acquired other business sectors, to become one of the top companies in its industries.

Saint-Gobain is a global producer of high-performance materials and integrated services. Abrasives constitute an important part of the "High Performance Materials" Division, one of the four business areas in which Saint-Gobain works:

- Flat Glass
- HPM (High Performance Materials: Ceramics, Plastics, Abrasives and Reinforcement Fibres)
- Building Products (Insulation, Canalisations, Building Materials)
- Building Distribution

Saint-Gobain Abrasives, a division organised across 28 countries, employing more than 16,000 people, is the only global manufacturer to produce each of the three main types of abrasives: rigid abrasives (resinoids and vitrified abrasives), flexible abrasives and superabrasives (diamond products). The abrasives business focuses on continuous technological research and innovation in all product ranges without neglecting quality and safety.

## THE NORTON BRAND

Norton is a leading global brand in the abrasives sector boasting an annual turnover of € 1,250 million, 45 production sites and over 60 sales departments in 28 countries over 5 continents. Founded in 1885 Saint-Gobain Abrasives has a long tradition focusing on innovation. Specialising in the production of grinding wheels, Norton has quickly expanded in the United States and in Canada guaranteeing constant growth and development. In 1935 Norton acquired the Milan factory S.A.P.M.A.R.G. (Società Anonima Produzione Mole Abrasive Richard Ginori). It diversified production, becoming specialised in the production of grinding wheels with organic binders and moved into the area of flexible abrasives and diamond and superabrasives, marking continuous growth and becoming established as a world-wide leader in abrasive products.



The acquisition by Saint-Gobain in 1990, added to the company's progression, and Norton remains the historical brand of the company. Along with the very first manufacturers, it obtained the DSA certification (Deutscher Schleifscheiben Ausschuss – German Institution for abrasive discs) which guarantees the current safety level. Thanks to continuous improvement, the excellence achieved in the products and in the field of innovation, Norton has become a synonym of quality technological solutions, and continues to be a global leader in abrasives.

NORTON

MARINE



# INTRODUCTION



## CENTRES OF EXCELLENCE

At Norton we place great emphasis on sharing our professional skills and knowledge, and pride ourselves on keeping you up to date regarding industry developments. This is why we have created the Centres of Excellence - specialised training centres run by sales and technical staff designed to enable you to receive the greatest value from all solutions



Based in Conflans, Milan, Wesseling and Kolo, the Centres of Excellence are fully equipped facilities offering hands-on training. The courses are organised for sharing experiences, holding technical sessions and carrying out product testing. They are designed to promote close working relationships between our staff and customers with the aim of choosing the most suitable solution for achieving the best possible results.



## MOBILE DEMONSTRATION CENTRES

To forge and improve close technical and commercial relationship with customers, Norton provides demonstration vehicles completely equipped to work independently with compressors, aspirators, multi-media systems and all the products in the Norton range.

With the help of highly qualified technicians, Norton products can be tested on the spot and practical demonstrations carried out to highlight their characteristics and technical specifications.



# INTRODUCTION

## HEALTH, QUALITY, SAFETY AND ENVIRONMENT

Health, safety, quality and the environment play a decisive role within Saint-Gobain Abrasives and we are actively committed to implementing these values throughout our organisation. The Customer is our priority and this is reflected in our products. Norton products are designed and created according to the most rigid quality standards, in order to guarantee maximum personal safety and ease of use. Furthermore, all new products are designed with the end user's working conditions as the highest priority. The Multi-Air is a great example of an innovative environmental solution, protecting users from dust whilst simultaneously optimising the product's durability. Norton has an active role in promoting these values and conforming to the provisions of the Organisations which guarantee quality, safety and protection of the environment.

### FEPA

Dedicated to promoting safety in the use of abrasives and actively involved in the preparation and implementation of the international European parameters (EN).

### EN12413 / EN13743 / EN13236

Safety certification for bonded, coated and superabrasives.

### ISO9001

Certifies the quality control system in accordance with the standardised regulations.

### ISO14001

Certifies the quality of the production system in accordance with the standard safety requirements.

### OHSAS18001

Certifies the environmental management system in accordance with the standard quality requirements.

### oSa

Certification on work for Health and the Environment. Certifies the safety applications for the user.



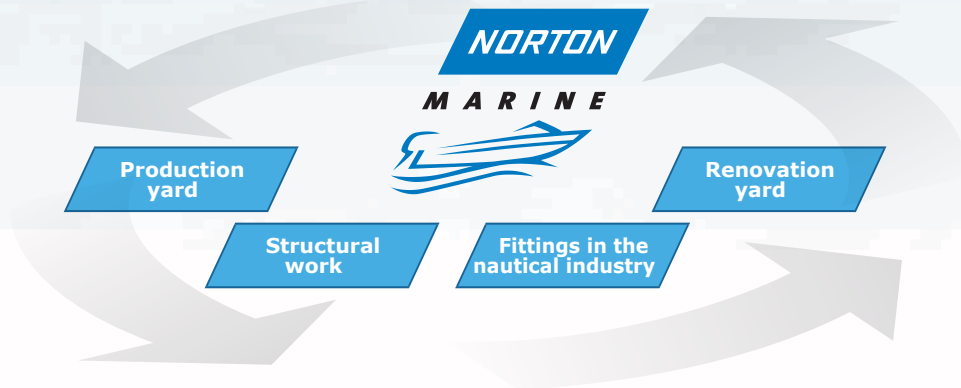
## RESEARCH AND DEVELOPMENT

Norton is recognised for the technical and innovative nature of its products. Most of the abrasive grains used today are the result of Norton research and development, to which the introduction of brown aluminium oxide, zirconium oxide and the first ceramic abrasive SG® can be attributed. Norton is constantly committed to improving the quality of its products, looking into solutions for increasing productivity and efficiency, and taking into consideration respect for safety and the environment. Every year a considerable amount is invested in R&D, with staff working in special units, located across Europe and throughout the world. Reactivity and flexibility are key for the R&D strategies which allow Norton to react to the changes and ensure an up-to-date supply, in line with market trends. The everyday consideration of these standards allows all Norton products to be designed using the very latest technology. It also ensures the brand is a future leader in the production processes, ensuring a supply of benefits to customers and improving productivity.

# INTRODUCTION

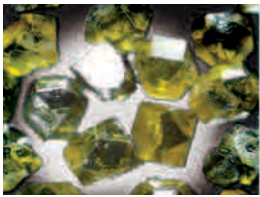
## MARINE MARKET CATALOGUE

The Norton Marine Market Catalogue seeks to be a compendium of abrasive solutions specially selected for the nautical industry. Norton believes that the products included represent the complete range, ideal for all nautical bodywork operations; during production, maintenance or renovation work, and for all general structural work in the nautical industry.



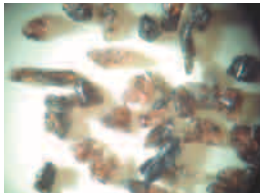
## ABRASIVES TECHNICAL DATA SHEET

The minerals used in the production of abrasives are chosen based on their hardness, toughness, heat resistance, composition and shape of the grain. These factors also determine the actual cutting ability of the particular abrasive. The choice abrasive for a given application depends not only on the dimension of the grain but also on the type of material that is to be removed.



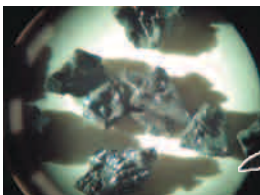
### DIAMOND

Diamond is the hardest material available. Its hardness and resistance to wear makes it ideal for removal of chips in hard and fragile materials such as fibreglass, glass, ceramics, quartz and plastic materials reinforced with fibre glass.



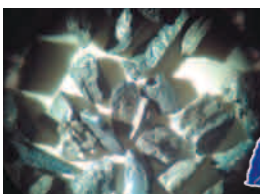
### ALUMINIUM OXIDE

Aluminium oxide is extremely tough. The wedge-shaped grain allows quick penetration into materials maintaining good resistance against shearing. Therefore it is particularly suitable for finishing materials with high resistance to traction such as steel, carbon and hard woods and for smoothing fillers, primers and paints.



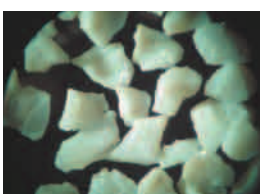
### SILICON CARBIDE

Silicon carbide is an extremely hard cutting material due to its structure, making it suitable for cutting hard materials such as glass and ceramics. The sharp edges which make up silicon carbide also mean it is subject to chipping easily whilst cutting. When used on soft, non-ferrous materials such as plastic, composites and fibrous wood, silicon carbide is ideal for deburring and finishing.



### ZIRCONIUM OXIDE

Zirconium oxide is characterised by its ability to self-dress whilst working, giving maximum durability during heavy removal operations. It is therefore suitable for deburring metals, for sizing wood and for smoothing fillers and paints.



### CERAMIC ALUMINIUM OXIDE

Ceramic aluminium oxide is a synthesised aluminium oxide with a micro-crystalline structure of high purity. It also self-dresses whilst working, but in a more regular way and with smaller chips, providing greater durability compared to other abrasives, with a clearer difference in heavier levelling operations of primers and paints and work on fibreglass, corian and composite materials.

# INTRODUCTION

## APPLICATIONS TABLE

APPLICATIONS DURING PRODUCTION									
Application	Grain	Trimming parts made of fibreglass	Removal of excess fibres and grinding of joining part	Deburring and finishing parts made of fibreglass	Levelling filler on the assembly joints	Preparation of gelcoat surfaces of the item	Preparation of wooden surfaces	Levelling surfaces before gluing the teak	Levelling the teak elimination of irregularities
		Diamond Blades / Thin wheels		Speed-Lok discs					
ROUGHING	P36		Fibre discs /flap discs						
	P40						Multi-Air® /Norgrip® discs /Norgrip® roll	Multi-Air® /Norgrip® discs /Norgrip® roll	
	P60		Fibre discs /flap discs	Spirabands /flap wheels	Multi-Air® /Norgrip® discs P80 /Norgrip® rolls				
	P80						Multi-Air® /Norgrip® discs /Norgrip® rolls	Multi-Air® /Norgrip® discs /Norgrip® rolls	
	P100								
	P120						Multi-Air® /Norgrip® discs /Norgrip® rolls	Multi-Air® /Norgrip® discs /Norgrip® rolls	
	P150								Multi-Air® /Norgrip® discs
	P180								
FINISHING	P220					Multi-Air® /Norgrip® discs	Multi-Air® /Norgrip® discs		
	P240								
	P280								
	P320								
	P360						Multi-Air® /Norgrip® discs		
	P400					Multi-Air® /Norgrip® discs			
	P500								
	P600								
	P800								
	P1000						Multi-Air® /Norgrip® discs Soft-Touch®	BearTex® /BearFlex discs /Rotolo Foam®	
	P1500								

APPLICATIONS DURING MAINTENANCE										
Application	Grain	Removal of old antifouling	Removal of old paints and enamels	Levelling anti-osmosis epoxy products	Preparation of surfaces before repainting	Levelling filler	Regeneration of teak	Reconditioning of propellers	Reconditioning of metal parts	
ROUGHING	P36									
	P40	Multi-Air® /Norgrip® discs	Multi-Air® /Norgrip® discs	Multi-Air® /Norgrip® discs	Multi-Air® /Norgrip® discs /Norgrip® rolls		Multi-Air® /Norgrip® discs		Multi-Air® /Norgrip® discs /Bear-Tex®	
	P60							Discs /Rapid-Strip® /flap wheels		
	P80	Multi-Air® /Norgrip® discs							Multi-Air® /Norgrip® discs /Bear-Tex®	
	P100									
	P120			Multi-Air® /Norgrip® discs			Multi-Air® /Norgrip® discs /Norgrip® rolls	Multi-Air® /Norgrip® discs /Norgrip® rolls		
	P150									
P180					Multi-Air® /Norgrip® discs /Norgrip® rolls			Multi-Air® /Norgrip® discs		
FINISHING	P220					Multi-Air® /Norgrip® discs			Multi-Air® /Norgrip® discs	
	P240									
	P280									
	P320									
	P360						Multi-Air® /Norgrip® discs			
	P400									
	P500									
	P600									
	P800									
	P1000								Sponges Soft-Touch®	
P1500										

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# MATERIAL REMOVAL

**NORTON**

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**CUTTING  
AND GRINDING**



**GRINDING  
AND DEBURRING**



**CLEANING  
AND FINISHING**



# CUTTING AND GRINDING



## DIAMOND BLADES

The range of Norton Pro diamond blades is designed for improved efficiency and exceptional performance. These specific blades represent the optimal solution for obtaining a precise, quick cut, with unrivalled durability, guaranteeing an excellent, uniform result. This range of products includes two blades for cutting composite materials: the continuous rim ultra-thin 1.2 mm jet blade with reinforced steel centre to guarantee maximum speed and cutting precision, and the new electroplated blade, reinforced for obtaining an even higher performance and constant deep cutting action without leaving burrs or fibreglass residuals.

### Use:

- For use on angular lapping machines with direct fixing
- Maximum use speed permitted according to the FEPA standards:  
 $\varnothing$  115-13,300 rpm •  $\varnothing$  125-12,250 rpm •  $\varnothing$  180-8,500 rpm
- The diamond blades are designed for straight cutting

## Marmo Pro

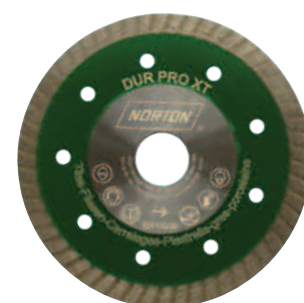
CHARACTERISTICS	ADVANTAGES
Electroplated continuous diamond rim	High precision and high performance cutting
4 reinforcements	Excellent unloading and ventilation whilst working. Avoids overheating
	Excellent deep cut without pressure



Dimensions	Description	Art. code	Quantity
$\varnothing$ 50 x 2,4 x 6	CONTINUOUS RIM	701846 <b>29965</b>	1
$\varnothing$ 75 x 2,4 x 9	CONTINUOUS RIM	701846 <b>29966</b>	1
$\varnothing$ 100 x 2,4 x 22,23	CONUTNUOUS RIM	701846 <b>29967</b>	1
$\varnothing$ 115 x 2,4 x 22,2	CONTINUOUS RIM	701846 <b>26663</b>	1
$\varnothing$ 125 x 2,4 x 22,2	CONTINUOUS RIM	701846 <b>26666</b>	1
$\varnothing$ 150 x 2,4 x 22,23	CONTINUOUS RIM	701846 <b>27715</b>	1
$\varnothing$ 180 x 2,8 x 22,2	CONTINUOUS RIM	701846 <b>26667</b>	1
$\varnothing$ 230 x 2,8 X 22,23	CONTINUOUS RIM	701846 <b>26668</b>	1

## DUR PRO XT

CHARACTERISTICS	ADVANTAGES
Direct sintering of the diamond on the steel centre	High durability and resistance
Continual "jet" rim with thickness 1.2 mm	Fast and high precision cutting
10mm segment height	Extended life
Reinforced steel centre	Minimum vibrations Increased cutting power



Dimensions	Description	Art. code	Quantity
$\varnothing$ 115 x 1,2 x 22,2	CONTINUOUS JET RIM	701846 <b>21964</b>	1
$\varnothing$ 125 x 1,2 x 22,2	CONTINUOUS JET RIM	701846 <b>21966</b>	1
$\varnothing$ 180 x 1,4 x 22,2	CONTINUOUS JET RIM	701846 <b>21968</b>	1
$\varnothing$ 230 x 1,6 x 22,23	CONTINUOUS RIM	701846 <b>21973</b>	1

**NORTON**

**MARINE**



# CUTTING AND GRINDING

## Norton BDX grinding & cutting-off wheels

The Norton BDX program offers you a complete range of grinding and cutting-off wheels for angle grinders. Norton BDX professional grinding and cutting-off wheels are characterised by high performance with an excellent price/performance ratio and are suitable for grinding and cutting-off a wide range of steel, stainless steel and stone applications. The unique combination of quick cutting times and high wheel life will result in a decrease of your total abrasive costs.

### Norton BDX cutting-off wheels shape 41 for angle grinders



Dimensions	Shape	Art. code	Quantity
ø115 x 1,0 x 22,23	41	66252831452	25
ø115 x 1,6 x 22,23	41	66252831451	25
ø125 x 1,0 x 22,23	41	66252831541	25
ø125 x 1,6 x 22,23	41	66252831460	25
ø180 x 1,6 x 22,23	41	66252832631	25
ø230 x 1,9 x 22,23	41	66252832686	25
ø100 x 2,0 x 16,00	41	66252829395	25
ø115 x 2,0 x 22,23	41	66252831456	25
ø125 x 2,0 x 22,23	41	66252831462	25
ø150 x 2,0 x 22,23	41	66252832741	25
ø180 x 2,0 x 22,23	41	66252831468	25
ø230 x 2,0 x 22,23	41	66252831476	25
ø115 x 2,5 x 22,23	41	66252831454	25
ø125 x 2,5 x 22,23	41	66252831461	25
ø150 x 2,5 x 22,23	41	66252832948	25
ø180 x 2,5 x 22,23	41	66252831466	25
ø230 x 2,5 x 22,23	41	66252831471	25

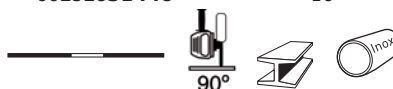


### Norton BDX grinding wheels shape 27 for angle grinders



Dimensions	Shape	Art. code	Quantity
ø100 x 6,5 x 16,00	27	66252831400	10
ø115 x 6,5 x 22,23	27	66252831408	10
ø125 x 6,5 x 22,23	27	66252831415	10
ø150 x 6,5 x 22,23	27	66252832633	10
ø180 x 6,5 x 22,23	27	66252831431	10
ø230 x 6,5 x 22,23	27	66252831440	10

### Norton Industrial Line small diameter wheels



Dimensions	Shape	Art. code	Quantity
ø50 x 1,0 x 6,35	41	66243578272	50
ø50 x 1,6 x 6,35	41	66243578274	25
ø50 x 6,0 x 6,35	41	66252829875	10
ø63 x 1,0 x 6,35	41	66252829956	50
ø63 x 1,6 x 6,35	41	66252829876	25
ø63 x 2,5 x 6,35	41	66252925546	25
ø63 x 6,0 x 6,35	41	66252829877	10
ø63 x 1,0 x 10,0	41	66252829878	50
ø63 x 1,6 x 10,0	41	66252831132	25
ø63 x 2,5 x 10,0	41	66252829879	25
ø63 x 6,0 x 10,0	41	66252829880	10
ø76 x 1,0 x 6,35	41	66252829941	50
ø76 x 1,6 x 6,35	41	66252829943	25
ø76 x 2,5 x 6,35	41	66252829881	25
ø76 x 6,0 x 6,35	41	66252829882	10
ø76 x 1,0 x 8,0	41	66252829883	50
ø76 x 1,6 x 8,0	41	66252829884	25
ø76 x 2,5 x 8,0	41	66252829885	25
ø76 x 6,0 x 8,0	41	66252829886	10
ø76 x 1,0 x 10,0	41	66252829957	50
ø76 x 1,6 x 10,0	41	66252829944	25
ø76 x 2,5 x 10,0	41	66252830429	25
ø76 x 3,2 x 10,0	41	66252829949	25
ø76 x 6,0 x 10,0	41	66252829887	10
ø100 x 1,0 x 10,0	41	66252829888	25
ø100 x 1,6 x 10,0	41	66252829767	25



# CUTTING AND GRINDING

## NORTON MULTI PURPOSE CUTTING-OFF WHEELS

Norton Multi Purpose cutting-off wheels are optimized for cutting all applications at ship building sites. Use one single wheel to cut steel, stainless steel, metal, aluminum, stone, tiles, glass and plastic without any compromise on performance. Burr-free cutting of tube and profiles, clean and straight cutting of tiles and no loading when cutting non-ferrous or plastic. The products versatility and long lifetime specifics make this wheel the ideal cutting solution for typical construction and installation applications.

### Norton Multi-Purpose cutting-off wheels shape 41 for angle grinders



Dimensions	Shape	Art. code	Quantity
ø115 x 1,0 x 22,23	41	662528 <b>33258</b>	25
ø115 x 1,6 x 22,23	41	662528 <b>28951</b>	25
ø125 x 1,0 x 22,23	41	662529 <b>18924</b>	25
ø125 x 1,6 x 22,23	41	662528 <b>28952</b>	25
ø180 x 1,6 x 22,23	41	662529 <b>26730</b>	25
ø230 x 1,9 x 22,23	41	662529 <b>18925</b>	25

## NORTON 0.8 MM CUTTING-OFF WHEELS

A new innovation by Norton are the 0.8 mm ultra thin cutting-off wheels, which set a new standard in cutting. Thin walled work pieces, sheets, tubes, profiles and even solid materials can be cut easily in the turn of a hand. The new 0.8 mm wheel is extremely precise and gives a clean, burr-free and fast cutting result. But what really makes this 0.8 mm wheel stand out is it's unparalleled stability. No other ultra thin wheel produces such a clean and sharp cut.

### Norton 0.8 mm cutting-off wheels



Dimensions	Shape	Art. code	Quantity
ø115 x 0,8 x 22,23	42	662528 <b>33239</b>	25
ø125 x 0,8 x 22,23	42	662528 <b>33240</b>	25

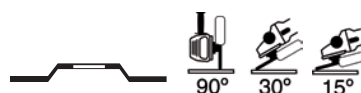
## NORTON 1-2-3 - THE ALL-IN-ONE SOLUTION

Cutting, light grinding and polishing, all with one single product? The new Norton 1-2-3 makes it possible! No more time loss due to machine or product changing. The Norton 1-2-3 has an extreme long wheel life compared to conventional abrasive products and provides an excellent and uniform polishing result. Maximum safety is guaranteed due to 3 layered strong reinforcements and the Norton 1-2-3 generates low vibration which results in comfortable working. The Norton 1-2-3 is free of iron, sulphur and chlorine and due to that suitable to use on all kind of metal and stainless steel applications.



1 Cutting 2 Grinding 3 Polishing

### Norton 1-2-3 cutting-grinding-polishing wheels for angle grinders



Dimensions	Shape	Art. code	Quantity
ø115 x 2,2 x 22,23	27	662528 <b>29704</b>	25
ø125 x 2,2 x 22,23	27	662529 <b>21592</b>	25

## NORTON OCTOPUS - THE INVISIBLE WHEEL

With the Octopus wheel, Norton introduces an unrivalled and unique line of multi purpose products for grinding and polishing. The conic shape "29" covers a large grinding area and guarantees quick and comfortable working. The 3 slots in the wheel make your work piece visible while you work. Norton Octopus wheels are available in grit size 36 for more material removal and grit size 60 for a perfect polishing result. Octopus wheels can be used without a backing pad and are suitable for steel and stainless steel applications.

### Norton Octopus wheels shape 29 for angle grinders



Dimensions	Shape	Grit	Art. code	Quantity
ø115 x 4,0 x 22,23	29	36	662528 <b>29991</b>	20
ø115 x 4,0 x 22,23	29	60	662528 <b>29992</b>	20
ø125 x 4,0 x 22,23	29	36	662528 <b>29993</b>	20
ø125 x 4,0 x 22,23	29	60	662528 <b>29994</b>	20

NORTON

MARINE



# GRINDING AND DEBURRING

## FIBRE DISCS

Fibre discs are designed for use in applications ranging from finishing edges, to the removal of burrs and the grinding of fibreglass. All Norton fibre discs are made using high quality resins and resistant fibres to increase performance and resistance against breaking. The discs are available in aluminium oxide, in the high quality abrasive NorZon® and in the recent SG® Ceramic, produced for high performance. The discs are optimised for use on the "toughest" surfaces and other hard materials. In addition, discs produced from silicon carbide are perfect for use on plastics, composites and non-ferrous materials.

### Use:

- For use on angular lapping machines with manual closure and relative back-up pad of medium or hard density
- Maximum speed permitted according to the FEPA standards:  
 $\varnothing$  115-13,300 rpm •  $\varnothing$  125-12,250 rpm •  $\varnothing$  180-8,500 rpm



## Red Dragon FX21

CHARACTERISTICS	ADVANTAGES
Unique blend of new SG® Ceramic and SG® Delta grain	Fastest cut rate & long product life
0.8mm high strength fibre backing	High material removal even at low pressure
Very high density of grain	Cool Cut
Third layer supersize with active filler	Ideal for stainless Steel

Grain	$\varnothing$ 115 x 22	$\varnothing$ 125 x 22	$\varnothing$ 180 x 22	Quantity
36	66261083245	66261083256	66261083260	100
50	66261083247	66261083257	66261083261	100
60	66261083252	66261083258	66261083262	100
80	66261083254	66261083259	66261083263	100



## NorZon® F827

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive for quick and constant cutting
Active cooling agents	Longer life time
0.8 mm fibre backing	Strong and resistant

Grain	$\varnothing$ 115 x 22	$\varnothing$ 125 x 22	$\varnothing$ 180 x 22	Quantity
P24	69957360048	63642539619	63642533062	25
P36	63642539615	63642536483	63642533063	25
P50	69957360053	63642539620	63642533064	25
P60	63642539616	69957360057	63642533065	25
P80	63642539617	63642539622	63642533066	25
P120	63642533055	63642533056	63642533068	25



## Metalite® F293

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Good cutting speed
0.8 mm fibre backing	Strong and resistant

Grain	$\varnothing$ 115 x 22	$\varnothing$ 125 x 22	$\varnothing$ 180 x 22	Quantity
P24	63642547861	63642547907	63642533108	25
P36	63642535056	63642547906	63642533107	25
P50	07660705216	63642547905	63642535057	25
P60	63642536900	63642547904	63642533105	25
P80	07660705214	63642547903	63642533104	25
P120	07660705212	63642547901	63642533102	25



# GRINDING AND DEBURRING

## Durite® F425

CHARACTERISTICS	ADVANTAGES
Silicon carbide abrasive	Excellent cutting capacity
0.8 mm fibre backing	Strong and resistant



Grain	ø115 x 22	ø125 x 22	ø180 x 22	Quantity
P24	636425 <b>45163</b>	636425 <b>08423</b>	636425 <b>34249</b>	25
P36	636425 <b>37161</b>	636425 <b>46187</b>	699573 <b>60039</b>	25
P60	636425 <b>37239</b>	636425 <b>51570</b>	699573 <b>60040</b>	25
P80	636425 <b>48543</b>	636425 <b>07453</b>	699573 <b>60041</b>	25
P120	636425 <b>12988</b>	636425 <b>07454</b>	636425 <b>36718</b>	25
P220	636425 <b>12989</b>	636425 <b>47695</b>	699573 <b>60044</b>	25

## SEMI-FLEXIBLE DISCS



Semi-flexible discs are particularly suitable for paint stripping on boats and various processes on fibreglass and reinforced plastics, from lapping to heavy removal of material.

Norton semi-flexible discs are made up of a high resistance fibre backing on which a multiple layer of abrasive is applied to the silicon carbide, ideal for applications on composite materials.

The depressed centre gives the disc a very high mechanical resistance, whereas the convex shape allows easier execution during the working stage. This special conformation provides outstanding results, making these discs the optimal solution.

### Use:

- For use on angular lapping machines with manual closure and hard density back-up pad
- Maximum use speed permitted according to the FEPA standards:  
ø 115-13,300 rpm • ø 125-12,250 rpm • ø 180-8,500 rpm

## CPS Q400

CHARACTERISTICS	ADVANTAGES
Silicon carbide abrasive	Excellent cutting capacity
Abrasive multi-layer	High cutting speed. Extensive durability
Fibre backing	Excellent resistance and flexibility
Conical shape	Improved use on the surfaces



Grain	ø115 x 22	ø125 x 22	ø180 x 22	Quantity
P24	662610 <b>84330</b>	076607 <b>05207</b>	076607 <b>05203</b>	25
P36	662610 <b>84335</b>	076607 <b>07946</b>	076607 <b>05204</b>	25
P60	662610 <b>84337</b>	076607 <b>18494</b>	076607 <b>05205</b>	25
P80	662610 <b>84338</b>	076607 <b>07948</b>	076607 <b>05206</b>	25

## Back-up pads for fibre discs and semi-flexible discs

Density	Attachment	ø115 x 22	ø125 x 22	ø180 x 22	Quantity
Medium (black)	M14	699573 <b>82825</b>	699573 <b>82826</b>	699573 <b>82827</b>	5
Hard (white)	M14	699573 <b>82828</b>	699573 <b>82829</b>	699573 <b>82830</b>	5



**NORTON**

**MARINE**



# GRINDING AND DEBURRING

## FIBRE AND CLOTH SPEED-LOK® DISCS

The fibre or cloth Speed-Lok® discs are small abrasive discs of different types, sizes and grains for use on various applications such as lapping edges, finishing flat surfaces and trimming that can be used for working in areas that are difficult to reach. The typical TR assembly and disassembly system of the disc is fast for increase productivity, substantially reducing working time.

### Use:

- For use on pneumatic tools and lapping machines. TR fixing system: screwing/unscrewing using nylon male thread on relative back-up pad (TR) with spindle.
- Maximum recommended use speed:  
 $\varnothing$  50-10,000/15,000 rpm •  $\varnothing$  75-8,000/10,000 rpm



## GreenLyte SG® F986

CHARACTERISTICS	ADVANTAGES
Ceramic aluminium oxide abrasive	Controlled consumption of the abrasive grain maximum cutting speed and aggressiveness
Active cooling agents	Extended product durability
Fibre backing	Excellent resistance against ripping

Grain	Attachment	$\varnothing$ 50	$\varnothing$ 75	Quantity
P36	TR	636425 <b>56449</b>	636425 <b>56546</b>	50
P50	TR	636425 <b>87282</b>	636425 <b>87290</b>	50
P60	TR	636425 <b>56453</b>	636425 <b>56548</b>	50
P80	TR	636425 <b>87285</b>	636425 <b>87291</b>	50



## NorZon® R822

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive has a quick and constant cutting capacity
Active cooling agents	Extensive durability
Heavy cloth backing	Tough and resistant

Grain	Attachment	$\varnothing$ 50	$\varnothing$ 75	Quantity
P24	TR	662611 <b>38672</b>	662611 <b>38675</b>	25
P36	TR	636425 <b>60882</b>	636425 <b>60886</b>	50
P50	TR	699573 <b>89455</b>	699573 <b>89465</b>	50
P60	TR	636425 <b>56396</b>	636425 <b>60887</b>	50
P80	TR	636425 <b>60884</b>	636425 <b>60888</b>	50



## Back-up Pad

Density	Attachment	$\varnothing$ 50	$\varnothing$ 75	Quantity
Medium	TR - with spindle	076607 <b>17817</b>	636425 <b>56631</b>	1
Medium	TR - M14		636425 <b>87305</b>	1



# GRINDING AND DEBURRING

## FLAP DISCS



Flap discs are particularly effective in all lapping applications, cropping and trimming of hulls, as well as operations on welding seams; they guarantee a quick cutting action, combined with high performance removal of residuals and extensive product durability. The Norton flap discs are made of extremely resistant cloth in order to increase performance and durability; different types of abrasives are available, from traditional aluminium oxide to high performance NorZon® and the innovative SG® Ceramic, ideal for applications on composite materials and fibreglass.

### Use:

- For use on angular lapping machines with direct fixing
- Maximum use speed permitted according to the FEPA standards:  
 ◊ 115-13,300 rpm • ◊ 125-12,250 rpm • ◊ 180-8,500 rpm
- The conical flap discs are designed to be used at an angle between 15° and 30°

## Norstar SG® RX22/R822

CHARACTERISTICS	ADVANTAGES
Ceramic aluminium oxide abrasive combined with zirconium oxide	Controlled consumption of the abrasive grain allows quick removal of material with lower pressure and reduced working time.
Heavy cloth double flaps	Durability and consistency throughout working stage
Fibre Conical Backing	Excellent stability



Grain	◊115 x 22	◊125 x 22	◊180 x 22	Quantity
P40	636425 <b>34667</b>	636425 <b>63571</b>	699573 <b>36664</b>	10
P60	636425 <b>34668</b>	636425 <b>68611</b>	636425 <b>49405</b>	10
P80	636425 <b>34669</b>	636425 <b>49404</b>	636425 <b>49406</b>	10

## BDX NorZon® R822

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive. Quick and constant cutting capacity
Cloth double flaps	Excellent durability
Fibre Conical Backing	Greater stability



Grain	◊115 x 22	◊125 x 22	◊180 x 22	Quantity
P40	636425 <b>15039</b>	636425 <b>50311</b>	66261 <b>179318</b>	10
P60	636425 <b>15040</b>	636425 <b>50312</b>	66261 <b>179319</b>	10
P80	636425 <b>49442</b>	636425 <b>15042</b>	66261 <b>179320</b>	10
P120	636425 <b>15041</b>	636425 <b>15043</b>	699573 <b>53178</b>	10

## Norfiber ALOX R265

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	High initial cutting capacity
Cloth double flaps	Excellent durability
Fibre Conical Backing	Greater stability



Grain	◊115 x 22	◊125 x 22	◊180 x 22	Quantity
P40	699573 <b>87307</b>	699573 <b>87312</b>	699573 <b>87317</b>	10
P60	699573 <b>87308</b>	699573 <b>87313</b>	636425 <b>44888</b>	10
P80	699573 <b>87309</b>	699573 <b>87314</b>	699573 <b>87319</b>	10
P120	699573 <b>87310</b>	699573 <b>87315</b>	699573 <b>87320</b>	10

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# GRINDING AND DEBURRING

## MINI SPEED-LOK® FLAP DISCS



The mini flap discs with Speed-Lok® system and quick fixing follows the characteristics of the flap disc family.  
The typical TR assembly and disassembly system of the disc is simple, quick and increases productivity, notably reducing the working times.

### Use:

- For use on pneumatic tools and lapping machines TR fixing System: Screwing/unscrewing using nylon male thread on relative back-up pad (TR) with spindle
- Maximum recommended use speed:  
 ø 50-10,000/15,000 rpm • ø 75-8,000/10,000 rpm

## NorZon® R822

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive, provides remarkable cutting capacity
Heavy cloth flaps	Excellent durability
Plastic backing	Greater stability



Grain	ø50	ø75	Quantity
P40	662611 <b>80892</b>	636425 <b>27476</b>	10
P60	662611 <b>80893</b>	662611 <b>80904</b>	10
P80	662611 <b>80894</b>	636425 <b>27482</b>	10

For Speed-Lok® back-up pads see page 13



## FILE BELT



The file belts are suitable for removing materials in areas that are difficult to access. They are particularly effective for roughing and finishing wood, metal, steel, plastics, composites and fibreglass. All Norton belts are made with reinforced film joints for increasing the resistance and yield during the working stage.

### Use:

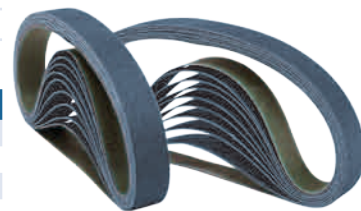
- For use on manual belt honing machines
- Maximum recommended use speed:  
20÷30 m/s



## NorZon® R822

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive. High cutting capacity
Cotton cloth backing (weight x)	Resistance to wear. Long durability
Reinforced film joint	Excellent resistance against breaking

Grain	10 x 330	13 x 457	15 x 330	20 x 520	Quantity
P36	699573 <b>36562</b>			636425 <b>47729</b>	50
P40	636425 <b>48975</b>	699573 <b>53159</b>	636425 <b>52139</b>		50
P60	636425 <b>23079</b>	636425 <b>39824</b>	636425 <b>12882</b>	636425 <b>51962</b>	50
P80	699573 <b>36537</b>	636425 <b>39833</b>	636425 <b>52140</b>	636425 <b>39684</b>	50
P120	636425 <b>46799</b>	636425 <b>39840</b>	636425 <b>08195</b>	636425 <b>47831</b>	50



# GRINDING AND DEBURRING



## SPIRABANDS



Spirabands are rings of abrasive cloth wrapped around and glued onto a cotton reinforcement backing, to give improved resistance to wear during the working stage. Available in different dimensions, they are the most suitable solution for small lapping jobs on curved parts such as portholes and small profiles for precise jobs where access is difficult. They can be used on a wide variety of surfaces, from composites, fibreglass, and plastic materials to wood and steel.

### Use:

- For use on lapping machines or drills on expansion wheel
- Maximum use speed permitted according to the FEPA standards:  
 ø 10/13/15-36,000 rpm • ø 22-26,000 rpm • ø 25-24,000 rpm  
 ø 30-19,100 rpm • ø 45-12,700 rpm • ø 51-11,200 rpm  
 ø 60-9,500 rpm • ø 100-5,700 rpm

## NorZon® R822

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive. High cutting capacity
Cotton cloth backing (X-weight)	Resistance to wear. Improved durability
Reinforced film joint	Excellent resistance against breaking

Dimensions	Grain	Art. code	Quantity
ø10 x 10	P80	636425 <b>36539</b>	100
ø10 x 20	P80	636425 <b>39862</b>	100
ø13 x 25	P50	636425 <b>28507</b>	100
ø13 x 25	P80	636425 <b>28508</b>	100
ø15 x 10	P80	636425 <b>39863</b>	100
ø15 x 30	P50	636425 <b>28509</b>	100
ø15 x 30	P80	636425 <b>28496</b>	100
ø22 x 20	P36	636425 <b>39865</b>	100
ø22 x 20	P50	636425 <b>28497</b>	100
ø22 x 20	P60	636425 <b>39866</b>	100
ø22 x 20	P80	636425 <b>39867</b>	100
ø25 x 25	P36	636425 <b>28510</b>	100
ø25 x 25	P50	636425 <b>28511</b>	100
ø25 x 25	P80	636425 <b>28512</b>	100
ø30 x 30	P36	636425 <b>66870</b>	100
ø30 x 30	P50	636425 <b>35053</b>	100
ø30 x 30	P60	636425 <b>45925</b>	100
ø30 x 30	P80	636425 <b>45926</b>	100
ø45 x 30	P36	636425 <b>28498</b>	100
ø45 x 30	P50	636425 <b>28514</b>	100
ø45 x 30	P60	636425 <b>45928</b>	100
ø45 x 30	P80	636425 <b>28515</b>	100
ø51 x 25	P80	636425 <b>28518</b>	100
ø60 x 30	P36	636425 <b>36541</b>	100
ø60 x 30	P50	636425 <b>39765</b>	100
ø60 x 30	P60	636425 <b>39874</b>	100
ø60 x 30	P80	636425 <b>39766</b>	100
ø100 x 40	P80	636425 <b>39768</b>	100



NOTE  
Other shapes and dimensions for processes and assembly on other machines are available for manufacture. For further information consult the Norton Industrial catalogue.

## Spindles - rubber expansion wheels

Dimensions	Art. code	Quantity
ø10 x 10 x 6	076607 <b>07917</b>	10
ø10 x 20 x 6	076607 <b>17573</b>	10
ø13 x 25 x 6	076607 <b>05185</b>	10
ø15 x 10 x 6	076607 <b>17629</b>	10
ø15 x 30 x 6	076607 <b>05182</b>	10
ø19 x 25 x 6	076607 <b>17567</b>	10
ø22 x 20 x 6	636425 <b>62578</b>	10
ø25 x 25 x 6	076607 <b>05183</b>	10
ø30 x 20 x 6	076607 <b>17630</b>	10
ø30 x 30 x 6	076607 <b>07918</b>	10
ø38 x 25 x 6	076607 <b>17568</b>	10
ø45 x 30 x 6	076607 <b>05196</b>	10
ø51 x 25 x 6	076607 <b>05184</b>	10
ø60 x 30 x 6	076607 <b>17631</b>	10



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# GRINDING AND DEBURRING

## FLAP WHEELS WITH SPINDLE

Flap wheels are made of abrasive cloth flaps glued onto bakelite fulcrums and designed to give a constant finish and a uniform cutting speed for roughing operations and for smoothing outlines and irregular edges on steel, wood or non-ferrous materials. The discs regenerate during consumption therefore always exposing new abrasive material to remain highly effective during the working stage.

### Use:

- For use on lapping machines or drills
- Maximum use speed permitted according to the FEPA standards:  
 $\varnothing$  30-30,000 rpm •  $\varnothing$  40-19,100 rpm •  $\varnothing$  50-15,300 rpm  
 $\varnothing$  60-12,700 rpm •  $\varnothing$  80-9,600 rpm



## Metalite® R207

CHARACTERISTICS		ADVANTAGES	
Aluminium oxide abrasive		Remarkable cutting capacity	
Heavy cloth flaps		Long durability	
Dimensions	Grain	Art. code	Quantity
$\varnothing$ 30 x 10 x 6	P60	636425 <b>45207</b>	10
$\varnothing$ 30 x 10 x 6	P80	636425 <b>37371</b>	10
$\varnothing$ 30 x 15 x 6	P60	636425 <b>13148</b>	10
$\varnothing$ 30 x 15 x 6	P80	636425 <b>61466</b>	10
$\varnothing$ 40 x 15 x 6	P60	636425 <b>33099</b>	10
$\varnothing$ 40 x 15 x 6	P100	636425 <b>33095</b>	10
$\varnothing$ 40 x 15 x 6	P120	636425 <b>33094</b>	10
$\varnothing$ 40 x 20 x 6	P60	636425 <b>46771</b>	10
$\varnothing$ 40 x 20 x 6	P80	636425 <b>46768</b>	10
$\varnothing$ 40 x 20 x 6	P120	636425 <b>46760</b>	10
$\varnothing$ 50 x 20 x 6	P60	636425 <b>31870</b>	10
$\varnothing$ 50 x 20 x 6	P80	636425 <b>33097</b>	10
$\varnothing$ 50 x 20 x 6	P120	636425 <b>46759</b>	10
$\varnothing$ 50 x 30 x 6	P60	636425 <b>34251</b>	10
$\varnothing$ 50 x 30 x 6	P80	636425 <b>61879</b>	10
$\varnothing$ 50 x 30 x 6	P100	636425 <b>46765</b>	10
$\varnothing$ 50 x 30 x 6	P120	636425 <b>31863</b>	10
$\varnothing$ 60 x 20 x 6	P60	636425 <b>31869</b>	10
$\varnothing$ 60 x 20 x 6	P80	636425 <b>31866</b>	10
$\varnothing$ 60 x 20 x 6	P120	636425 <b>31862</b>	10
$\varnothing$ 60 x 30 x 6	P40	636425 <b>36737</b>	10
$\varnothing$ 60 x 30 x 6	P80	636425 <b>31865</b>	10
$\varnothing$ 80 x 30 x 6	P60	636425 <b>31867</b>	10
$\varnothing$ 80 x 30 x 6	P80	636425 <b>33096</b>	10
$\varnothing$ 80 x 50 x 6	P60	636425 <b>59718</b>	10
$\varnothing$ 80 x 50 x 6	P80	699573 <b>60916</b>	10



### NOTE

Other particular dimensions for different processes and assembly on other particular machines are available for manufacture. For further information consult the Norton industry catalogue.

# GRINDING AND DEBURRING



## ELECTROPLATED DIAMOND PINS



These very small grinders are highly effective when used for finishing applications on small surfaces, edges or outlines in areas that are difficult to access. Their structure and composition with diamond electrodeposited abrasive make these small and ingenious tools the best solution for obtaining an excellent result of absolute precision on composites, reinforced plastics and fibreglass.

### Use:

- For use on drills
- Recommended use speed:  $\varnothing$  6-15,000/70.000 rpm



CHARACTERISTICS		ADVANTAGES		
Electrodeposited diamond		Excellent finish		
Dimensions	Shape	Art. code	Quantity	
$\varnothing$ 18 x 25 x 6	CYLINDRICAL	66260130657	1	
$\varnothing$ 6 x 32 x 6	CYLINDRICAL WITH ROUND BASE	66260130666	2	

NOTE: Other shapes and sizes are available for manufacture.

## TUNGSTEN CARBIDE BURRS



Tungsten carbide burrs are small grinders suitable for operations on composite materials, including the removal of small fibreglass residues. Coated in a thin layer of titanium, tungsten carbide burrs limit all possibilities of overheating during the work stage and prevents clogging of the grinding wheel itself, increasing productivity and durability.

### Use:

- For use on drills
- Recommended use speed:  
 $\varnothing$  6-15,000/70,000 rpm •  $\varnothing$  10-10,000/50,000 rpm •  $\varnothing$  12-7,000/38,000 rpm

CHARACTERISTICS		ADVANTAGES		
Tungsten Carbide		Excellent consistency and resistance during heavier operations		
Titanium coating (TiAN)		Reduces the risk of clogging. Long durability		
Dimensions	Shape	Type	Art. code	Quantity
$\varnothing$ 6 x 19 x 6 x 65	A	ALU	69957383216	1
$\varnothing$ 12 x 25 x 6 x 70	A	ALU	69957383220	1
$\varnothing$ 10 x 19 x 6 x 65	B	ALU	69957383228	1
$\varnothing$ 12 x 25 x 6 x 70	B	ALU	69957383232	1
$\varnothing$ 10 x 19 x 6 x 65	C	ALU	69957383239	1
$\varnothing$ 12 x 25 x 6 x 70	C	ALU	69957383278	1
$\varnothing$ 10 x 19 x 6 x 65	F	ALU	69957383300	1
$\varnothing$ 12 x 25 x 6 x 70	F	ALU	69957383303	1
$\varnothing$ 12 x 30 x 6 x 75	L	ALU	69957383325	1
Dimensions	Shape	Type	Art. code	Quantity
$\varnothing$ 6 x 19 x 6 x 65	A	D	69957383215	1
$\varnothing$ 12 x 25 x 6 x 70	A	D	69957383219	1
$\varnothing$ 10 x 19 x 6 x 65	B	D	69957383223	1
$\varnothing$ 12 x 25 x 6 x 70	B	D	69957383229	1
$\varnothing$ 10 x 19 x 6 x 65	C	D	69957383236	1
$\varnothing$ 12 x 25 x 6 x 70	C	D	69957383241	1
$\varnothing$ 10 x 19 x 6 x 65	F	D	69957383299	1
$\varnothing$ 12 x 25 x 6 x 70	F	D	69957383301	1
$\varnothing$ 6 x 16 x 6 x 50	L	D	69957383313	1
$\varnothing$ 12 x 30 x 6 x 75	L	D	69957383320	1



NOTE: For other shapes and sizes consult the Norton Industrial catalogue.

### KEY

**A** CYLINDRICAL



**B** CYLINDRICAL WITH CUTTING BASE



**C** CYLINDRICAL WITH ROUND BASE



**F** OGIVAL WITH SPHERICAL HEAD



**L** CONICAL WITH SPHERICAL HEAD



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# CLEANING AND FINISHING

## RAPID-STRIP® DISCS

The Rapid-Strip® discs are designed for the removal of material and heavy cleaning of surfaces, such as the reconditioning of propellers, grooves on fibreglass and the removal of old paint and rust.

The composition of resistant BearTex non-woven synthetic fibres and abrasive silicon carbide inserts gives an outstanding result without impairing or damaging the surface. The open structure also prevents clogging, consequently increasing the durability of the product and reducing working time.

Different sizes and types are also available, from flat discs to spindle mounted and new discs with depressed centre with a special fibre backing for greater stability and better resistance.



CHARACTERISTICS	ADVANTAGES
Silicon carbide abrasive	Quick cleaning capacity
Composition of abrasive BearTex® nylon web	Adapts to surfaces
Open structure	Prevents clogging. Long durability
Fibre backing (relative only to Rapid-Strip® with depressed centre)	Excellent resistance (relative only to Rapid Strip with depressed centre)

### Depressed centre

#### Use:

- For use on angular lapping machines.
- Maximum use speed permitted according to the FEPA standards:  
 $\varnothing$  115-10,500 rpm •  $\varnothing$  125-8,500 rpm •  $\varnothing$  178-6,500 rpm
- Designed for use at an angle of less than 15°



Dimensions	Grain	Art. code	Quantity
$\varnothing$ 115 x 22	S/C Coarse	636425 <b>85732</b>	5
$\varnothing$ 125 x 22	S/C Coarse	636425 <b>85749</b>	5
$\varnothing$ 178 x 22	S/C Coarse	636425 <b>85750</b>	5



### With spindle

#### Use:

- For use on lapping machines or drills
- Maximum use speed permitted according to the FEPA standards:  
 $\varnothing$  100-8,000 rpm • 150-5,500 rpm

Dimensions	Grain	Art. code	Quantity
$\varnothing$ 100 x 13 x 6	S/C Coarse	636425 <b>57742</b>	10
$\varnothing$ 100 x 25 x 6	S/C Coarse	636425 <b>57745</b>	5
$\varnothing$ 150 x 13 x 8	S/C Coarse	636425 <b>57743</b>	10
$\varnothing$ 150 x 25 x 8	S/C Coarse	636425 <b>57746</b>	5



### Flat

#### Use:

- For use on lapping machines or drills
- Maximum use speed permitted according to the FEPA standards:  
 $\varnothing$  100-8,000 rpm •  $\varnothing$  150-5,500 rpm

Dimensions	Grain	Art. code	Quantity
$\varnothing$ 100 x 13 x 12	S/C Coarse	662610 <b>32173</b>	10
$\varnothing$ 150 x 13 x 12	S/C Coarse	636425 <b>85703</b>	25



### Spindles for flat discs

Dimensions	Art. code	Quantity
$\varnothing$ 100 x 6 x 30	076607 <b>07022</b>	1
$\varnothing$ 150 x 8 x 30	076607 <b>07023</b>	1



# CLEANING AND SMOOTHING

## Rapid-Strip® Speed-Lok® TR

### Use

- For use on pneumatic tools and lapping machines. TR fixing system: screwing/unscrewing using nylon male thread on relative back-up pad (TR) with spindle.
- Maximum use speed permitted according to the FEPA standards:  $\varnothing$  50-15,000 rpm •  $\varnothing$  75-12,000 rpm



Dimensions	Grain	Attachment	Art. code	Quantity
$\varnothing$ 50	Coarse	TR	636425 <b>88173</b>	10
$\varnothing$ 75	Coarse	TR	636425 <b>88175</b>	10

For Speed-Lok® back-up pads see page 13



## UNITIZED WHEEL



This wheel is made up of various layers of the unique non-woven BearTex® fabric, pressed together and impregnated with silicon carbide abrasive. Due to the particular conformation and self-shaping properties, the wheels are ideal for cleaning materials and the slight deburring of surfaces.

### Use:

- For use on lapping machines or drills with the relative spindle
- Maximum use speed permitted according to the FEPA standards:  $\varnothing$  150-1,200/3,300 rpm
- The Unitized wheel can be used in any rotation direction



CHARACTERISTICS	ADVANTAGES
Silicon carbide abrasive	Quick cleaning capacity
Composition of nylon BearTex® layers	Adapts to surfaces
Uniform construction	Long durability and uniform consumption
Absence of metal	No contamination of the surface processed

Dimensions	Grain	Art. code	Quantity
$\varnothing$ 150 x 13 x 13	2S - Fine	636425 <b>85812</b>	5
$\varnothing$ 150 x 25 x 13	2S - Fine	699573 <b>50272</b>	5



## Spindles

Spindle	Art. code	Quantity
$\varnothing$ 6	636425 <b>86239</b>	1

## Unitized Speed-Lok® TR

### Use:

- For use on pneumatic tools and lapping machines. TR fixing system: screwing/unscrewing using nylon male thread on relative back-up pad (TR) with spindle
- Maximum use speed permitted according to the FEPA standards:  $\varnothing$  50-18,000 rpm •  $\varnothing$  75-12,100 rpm



Dimensions	Grain	Art. code	Quantity
$\varnothing$ 50	2S - Fine	636425 <b>85677</b>	10
$\varnothing$ 75	2S - Fine	636425 <b>85691</b>	10

For Speed-Lok® back-up pads see page 13



**NORTON**

**MARINE**



# CLEANING AND SMOOTHING

## BEARTEX® DISCS

These abrasive discs are made from the unique non-woven BearTex® fabric, with a special backing of resistant. The discs are available in different sizes and grains, making them ideal for roughing, removal of rust and finishing steel, brass, aluminium, and general cleaning of composite materials.

### Use:

- For use on angular lapping machines and relative back-up pad.
- Maximum use speed permitted according to the FEPA standards:  
 ø 115-13,000 rpm • ø 125-10,000 rpm • ø 180-6,000 rpm



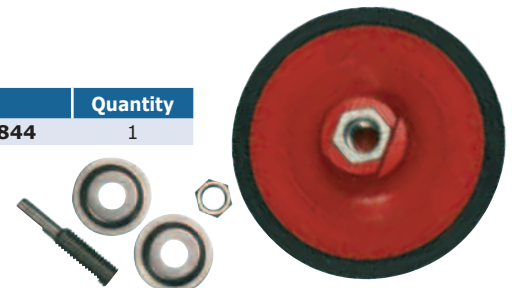
CHARACTERISTICS	ADVANTAGES
Silicon carbide and/or aluminium oxide abrasive	Quick cleaning capacity
Composition of abrasive BearTex® nylon web	Naturally adapts to surfaces
Open structure	Prevents clogging. Long durability
Heavy cloth backing	Excellent resistance

Grain	Colour	ø115	ø125	ø180	Quantity
Extra Coarse (40 ca)	Brown	636425 <b>57509</b>	636425 <b>57720</b>	636425 <b>57732</b>	20
Coarse (60 ca)	Brown	636425 <b>57511</b>	636425 <b>57722</b>	636425 <b>57734</b>	20
Medium (120 ca)	Red	636425 <b>57717</b>	636425 <b>57723</b>	636425 <b>57735</b>	20
Very Fine (320 ca)	Blue	636425 <b>57718</b>	636425 <b>57724</b>	636425 <b>57736</b>	20
Super Fine (400 ca)	Grey	636425 <b>57719</b>	636425 <b>57725</b>	636425 <b>57737</b>	20



## Back-up pads

Density	Attachment	ø115	ø125	ø180	Quantity
Medium	M14	699573 <b>82846</b>	699573 <b>82841</b>	699573 <b>82844</b>	1



## BearTex® Speed-Lok® Discs

### Use:

- For use on pneumatic tools and lapping machines. TR fixingsystem: screwing/unscrewing using nylon male thread on relative back-up pad (TR) with spindle
- Maximum recommended use speed:  
 ø 50-15,000/18,000 rpm • ø 75-8,000/10,000 rpm

Grain	Colour	ø50	ø75	Quantity
Extra Coarse (40 ca)	Brown	636425 <b>86817</b>	636425 <b>86830</b>	25
Coarse (60 ca)	Brown	636425 <b>56609</b>	662610 <b>09194</b>	25
Medium (120 ca)	Red	636425 <b>56580</b>	636425 <b>56601</b>	25
Very Fine (320 ca)	Blue	636425 <b>56575</b>	636425 <b>56599</b>	25
Super Fine (400 ca)	Grey	636425 <b>85626</b>	636425 <b>85649</b>	25

For Speed-Lok® back-up pads see page 13



# CLEANING AND FINISHING

## BEARTEX® WHEELS WITH SPINDLE



These small wheels are excellent for a wide range of applications, both on flat parts that are difficult to reach and on curved surfaces. The characteristic structure in non-woven BearTex® which shapes itself to the surfaces, allows a uniform finish to be obtained during light cleaning processes or finishing metals, aluminium and composite materials.

### Use:

- For use on lapping machines or drills
- Maximum use speed permitted according to the FEPA standards:  
 ø 30-22,000 rpm • ø 40-16,500 rpm • ø 60-11,500 rpm • ø 80-8,000 rpm

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Excellent speed and finish
Composition in non-woven BearTex®	Extreme cushioning action

Dimensions	Grain	Type	Art. code	Quantity
ø30 x 20 x 6	Medium	BearTex®	66261032155	10
ø30 x 20 x 6	Fine	BearTex®	66261032160	10
ø40 x 20 x 6	Medium	BearTex®	66261032156	10
ø40 x 20 x 6	Fine	BearTex®	66261032161	10
ø40 x 20 x 6	Very Fine	BearTex®	66261032165	10
ø60 x 30 x 6	Coarse	BearTex®	66261032167	10
ø60 x 30 x 6	Medium	BearTex®	66261032157	10
ø60 x 30 x 6	Fine	BearTex®	66261032162	10
ø60 x 30 x 6	Very Fine	BearTex®	66261032166	10
ø60 x 30 x 6	P80+Medium	Tela+BearTex®	66261032153	10
ø60 x 30 x 6	P150+Fine	Tela+BearTex®	66261032159	10
ø80 x 50 x 6	Medium	BearTex®	66261032158	10
ø80 x 50 x 6	Fine	BearTex®	63642515583	10
ø80 x 50 x 6	P80+Medium	Tela+BearTex®	66261032154	10
ø80 x 50 x 6	P120+Fine	Tela+BearTex®	63642515544	10



### NOTE

A variety of dimensions are available for multiple processes and assembly on other machines. For further information consult the Norton Industrial catalogue.

## NORBRUSH DISCS



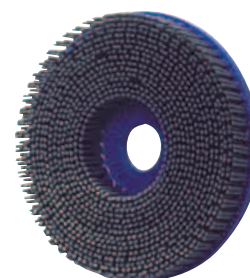
NorBrush discs are brushes made up of a series of flexible nylon filaments containing silicon carbide, glued to a plastic backing. Due to their exceptional ability to adapt themselves to surfaces, the discs are ideal for quick removal of residuals, coatings and sealants or for heavier cleaning operations of material, leaving the surface itself perfectly clean.

### Use:

- For use on angular lapping machines with direct fixing
- Maximum use speed permitted according to the FEPA standards:  
 ø 127-10,000 rpm

CHARACTERISTICS	ADVANTAGES
Silicon carbide abrasive	Quick cleaning capacity
Composition of flexible nylon filaments	Flexibility of use. It adapts itself to the surface
Plastic backing	Excellent stability

Dimensions	Art. code	Quantity
ø127 x 22	66261058822	5





# SURFACE PREPARATION

**NORTON**

**MARINE**



**FINISHING**



**POLISHING  
AND CLEANING**



**ADHESIVES  
AND ACCESSORIES**





## MULTI-AIR® DISCS



Norton Multi-Air® Process® combines the excellence of a premium Norton Multi-Air® abrasive disc with an innovative dust extraction Multi-Air® back-up pad. This revolutionary Multi-Air® Process® gives operators the best possible sanding solution to optimize performance, increase productivity and eliminate dust. The innovative pad design draws dust into a collection chamber allowing optimal airflow and powerful dust extraction.

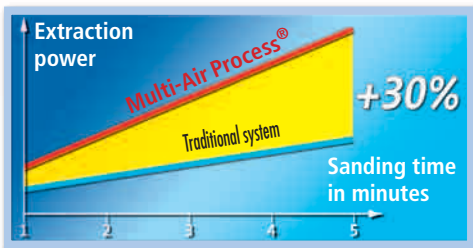
Also available in the Soft-Touch® version, a patented system combines a soft foam backing, directly applied to abrasive paper for high performance both for flat and curved surfaces where the discs is more "cushioned" adapting itself easily to the surfaces, hence maintaining an excellent cutting action and a homogenous and uniform finish.

NorZon®: ideal for applications such as roughing of antifouling agents, fillers, metal and wood.

Aluminium Oxide: for most common applications on gelcoat, paints, primers and teak.  
New SG® Ceramic: Specifically developed for cutting composite materials, fibreglass, corium, primers, and gelcoat.

### Use:

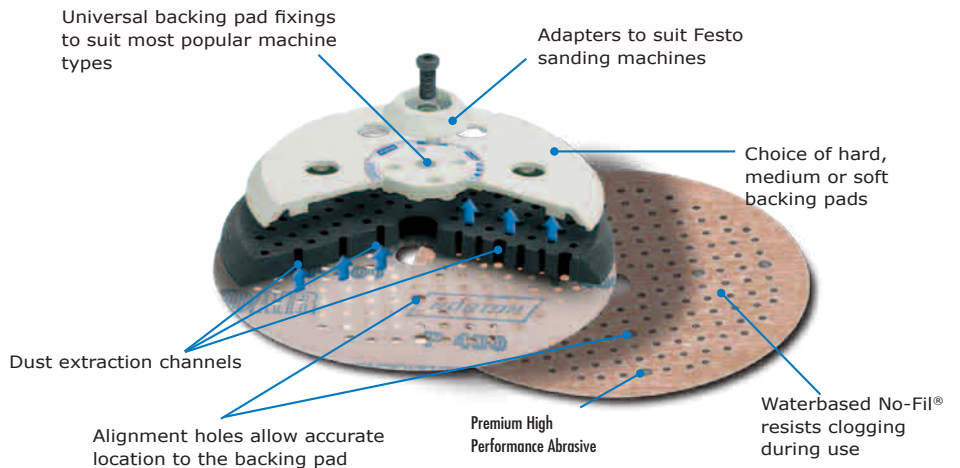
- For use on roto-orbital honing machines or rotary machines in combination with the ø 125 mm or ø 150 mm Multi-Air® back-up pad



30% better dust extraction capacity than conventional system



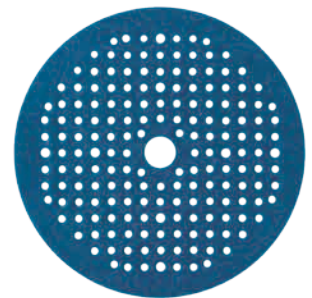
35% more surface sanded than conventional system



## Multi-Air® NorZon®

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive. High cutting capacity
Heavy and resistant paper backing (E-Weight)	Resistant to breaking and ginning
Open coat distribution	Resists against clogging
Perforated with 181 holes	Maximum dust extraction
Norgrip® fixing	Quick and easy disc replacement

MULTI-AIR



Grain	ø150 x 18	Quantity
P40	66261086898	50
P60	66261086903	50
P80	66261181412	50
P100	66261086904	50
P120	66261086905	50

NORTON

MARINE

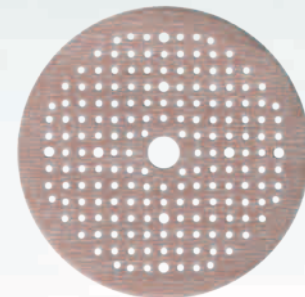


# FINISHING

## Multi-Air®

CHARACTERISTICS	ADVANTAGES
Heat treated aluminium oxide abrasive	Heat treated semi-friable abrasive for excellent cutting capacity
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent flexibility and resistance to ripping
No-Fil® water-based treatment	High anti-clogging power
Perforated with 125 holes (ø 125) and 181 holes (ø 150)	Maximum dust extraction
Norgrip® fixing	Quick and easy disc replacement

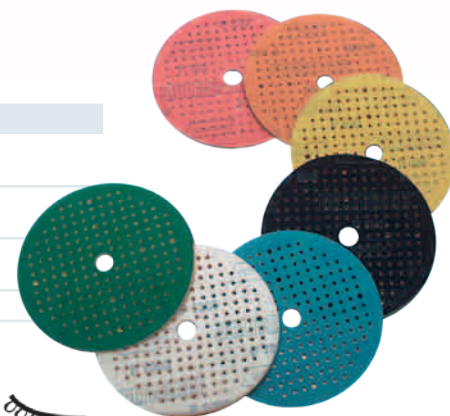
**MULTI-AIR**



Grain	ø125 x 18	ø150 x 18	Quantity
P80	636425 <b>63513</b>	636425 <b>60561</b>	100
P120	636425 <b>63514</b>	636425 <b>60562</b>	100
P150	636425 <b>63515</b>	636425 <b>60563</b>	100
P180	636425 <b>63516</b>	636425 <b>60564</b>	100
P220	636425 <b>63517</b>	636425 <b>60565</b>	100
P240	636425 <b>63518</b>	636425 <b>60566</b>	100
P280	636425 <b>63519</b>	636425 <b>60567</b>	100
P320	636425 <b>63520</b>	636425 <b>60568</b>	100
P360	636425 <b>63521</b>	636425 <b>60569</b>	100
P400	636425 <b>63522</b>	636425 <b>60570</b>	100
P500	636425 <b>63523</b>	636425 <b>60571</b>	100
P600	636425 <b>63524</b>	636425 <b>60572</b>	100
P800	636425 <b>63525</b>	636425 <b>60573</b>	100

## Multi-Air® Soft-Touch®

CHARACTERISTICS	ADVANTAGES
Heat treated aluminium oxide abrasive	Heat treated semi-friable abrasive for excellent cutting capacity
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent finish and adaptation to curved surfaces
Paper backing coupled with a layer of flexible sponge	High anti-clogging power
No-Fil® water-based treatment	Maximum dust extraction
Perforated with 125 holes (ø 125) and 181 holes (ø 150)	Quick and easy disc replacement
Norgrip® fixing	



Grain	ø125 x 18	ø150 x 18	Quantity
Salmon P320	636425 <b>63526</b>	636425 <b>60574</b>	20
Yellow P400	636425 <b>63527</b>	636425 <b>60575</b>	20
Black P500	636425 <b>63528</b>	636425 <b>60576</b>	20
Fuchsia P600	636425 <b>63529</b>		20
Blue P800	636425 <b>63530</b>	636425 <b>60577</b>	20
White P1000	636425 <b>63531</b>	636425 <b>60578</b>	20
Green P1500	636425 <b>63532</b>	636425 <b>60579</b>	20

## Multi-Air® Starter Kit

Description	ø150 x 18	Quantity
Assortment of discs + back-up pad	636425 <b>87576</b>	1



### The kit includes:

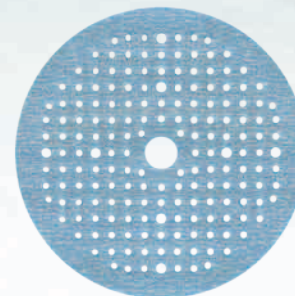
- A Multi-Air® Medium back-up pad
- A selection of Multi-Air® Norton®, Multi-Air® and Multi-Air® Soft-Touch® discs

## Multi-Air® Plus

CHARACTERISTICS	ADVANTAGES
Ceramic aluminium oxide abrasive	Controlled consumption of the abrasive grain for maximum speed, consistency, cutting uniformity
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent resistance and flexibility
No-Fil® water-based treatment	High anti-clogging power
Perforated with 125 holes (ø 125) and 181 holes (ø 150)	Maximum dust extraction
Norgrip® fixing	Quick and easy disc replacement

Grain	ø125 x 18	ø150 x 18	Quantity
P80	636425 <b>63535</b>	636425 <b>65916</b>	100
P120	636425 <b>63536</b>	636425 <b>23429</b>	100
P150	636425 <b>63537</b>	636425 <b>23430</b>	100
P180	636425 <b>63538</b>	636425 <b>65920</b>	100
P220	636425 <b>63539</b>	636425 <b>23434</b>	100
P240	636425 <b>63540</b>	636425 <b>23435</b>	100
P280	636425 <b>63541</b>	636425 <b>23436</b>	100
P320	636425 <b>63542</b>	636425 <b>23437</b>	100
P400	636425 <b>63543</b>	636425 <b>65925</b>	100

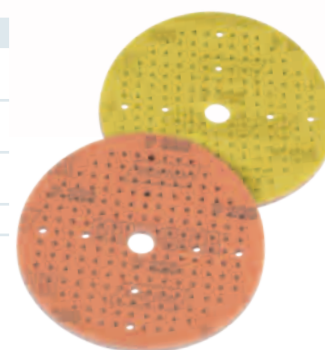
**MULTI-AIR** PLUS



## Multi-Air® Soft-Touch® Plus

CHARACTERISTICS	ADVANTAGES
Ceramic aluminium oxide abrasive	Controlled consumption of the abrasive grain gives maximum speed, consistency, cutting uniformity
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent finish and adaptability to curved surfaces
Paper backing coupled with a layer of flexible sponge	High anti-clogging power
No-Fil® water-based treatment	Maximum dust extraction
Perforated with 125 holes (ø 125) and 181 holes (ø 150)	Quick and easy disc replacement
Norgrip® fixing	

Grain	ø125 x 18	ø150 x 18	Quantity
Salmon P320	636425 <b>36544</b>	636425 <b>86352</b>	20
Yellow P400	636425 <b>63545</b>	636425 <b>86353</b>	20

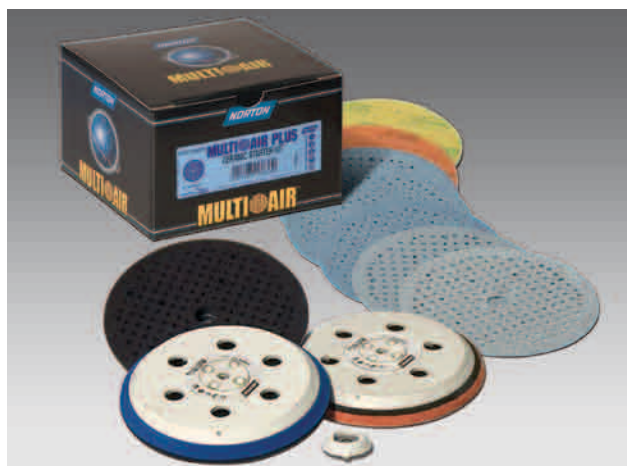


## Multi-Air® Starter Kit Plus

Description	ø150 x 18	Quantity
Assortment of discs + back-up pads	6995739 <b>5370</b>	1

### The kit includes:

- A Multi-Air® Medium pad
- A selection of Multi-Air® Plus and Multi-Air® Plus Soft-Touch® discs in all the grains from P80 to P400



**NORTON**

**MARINE**



# FINISHING

## Multi-Air® back-up pads

Packed in individual boxes that include:

- Back-up Pad
- Universal attachment system with Festo adapter, 2 M8 & 5/16" screws and three fibre spacer rings
- Safety recommendations
- Assembly instructions

Also available with screws already fixed to the back-up pad

### Use:

- Maximum use speed permitted:  
 $\varnothing$  125/150-12,000 rpm for hard and medium - 7,700 rpm for soft

Density	Colour	Quantity
Hard	Blue	Ideal for heavy smoothing jobs, removal of old antifouling agents, enamels, gelcoat and for levelling
Medium	Black	Ideal for smoothing fillers, primers, paints, gelcoat, wood, composites and metal
Medium HT	Black	With special velcro which is resistant to high temperatures
Soft	Orange	Excellent finishing results on all surfaces

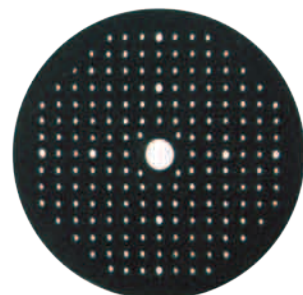
Density	Attachment	$\varnothing$ 125 x 18	$\varnothing$ 150 x 18	Quantity
Hard	5/16 univ.	662610 <b>55476</b>	076607 <b>19198</b>	1
Medium	5/16 univ.	636425 <b>63533</b>	636425 <b>60580</b>	1
Medium HT*	5/16 univ.		636425 <b>85872</b>	1
Soft	5/16 univ.	636425 <b>63534</b>	636425 <b>60605</b>	1
Medium HT*	with fixed screw	636425 <b>82249</b>	636425 <b>82245</b>	1
Adaptor for Rupes		636425 <b>26648</b>		1

\*HT: High temperatures



## Multi-Air® interface

$\varnothing$ 125 x 18	$\varnothing$ 150 x 18	Quantity
632425 <b>85864</b>	076607 <b>19359</b>	16 12



## Multi-Air® Positioner

$\varnothing$ 150 x 18	Quantity
0012000 <b>4731</b>	1





## NORGRIP® PAPER DISCS



The Norgrip® paper discs, with tearing system, in 7 or 9 holes, represents the best traditional sanding method. Grouped together by abrasive for each application: zirconium oxide for heavy jobs on difficult surfaces such as the quick removal of antifouling agents or paints and homogenising fillers; aluminium oxide for the more common sanding applications on all surfaces, gelcoat, paints, primers and wood. Also available in the Soft-Touch® version, a patented Norton system created using a combination of a soft foam backing, directly applied to abrasive paper, for higher performances both on flat surfaces and curved surfaces where the disc is more "cushioned" adapting itself easily to the surfaces and maintaining an excellent cutting action and homogenous, uniform finish.

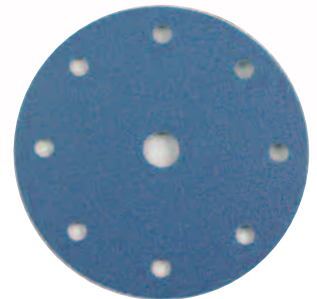
### Use:

- For use on roto-orbital honing machines or rotary machines in combination with relative  $\varnothing$  150 mm or  $\varnothing$  200 mm back-up pad with Norgrip® fixing system

## Blue Fire® H835



CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive. High cutting capacity
Heavy and resistant paper backing (E-Weight)	Resistant to breaking and ginning
Open coat distribution	Resists against clogging
Norgrip® fixing	Quick and easy disc replacement



Grain	$\varnothing$ 150 x 14	$\varnothing$ 150 x 18	$\varnothing$ 203 x 0	Quantity
P40	69957391250	69957391258	69957391263	H835
P60	69957391255	69957391260	69957391268	H835
P80	69957391256	69957391261	69957391269	H835
P120	69957391257	69957391262	69957391272	H835

## Adalox® H231

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Excellent cutting capacity and speed
Very heavy paper backing (weight F)	High resistance to wear and breaking
Anti-static treatment	Very high anti-clogging power
Norgrip® fixing	Quick and easy disc replacement



Grain	$\varnothing$ 150 x 14	$\varnothing$ 150 x 18	$\varnothing$ 203 x 0	Quantity
P40	66261026066	63642550341	69957352731	100
P60	69957382764	63642536740	63642522874	100
P80	66261026069	63642536741	66261089451	100
P100	66261026070	63642568763		100
P120	66261026071	63642546779	69957378620	100
P150	66261026072	63642546781		100
P180	69957351530	63642546834		100
P240	69957351531	63642568766		100



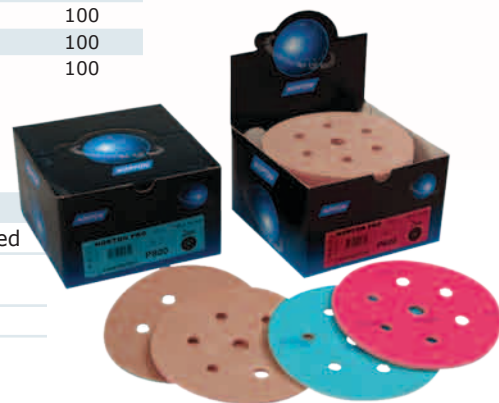
# FINISHING

## Norton Pro A275

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Excellent cutting capacity and speed
Latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent resistance and flexibility
No-Fil® treatment	High anti-clogging power
Norgrip® fixing	Quick and easy disc replacement



Grain	ø150 x 14	ø150 x 18	ø203 x 0	Quantity
P80	636425 <b>57950</b>	636425 <b>57968</b>	636425 <b>85236</b>	100
P100	636425 <b>86135</b>	636425 <b>85059</b>	636425 <b>85242</b>	100
P120	636425 <b>57954</b>	636425 <b>57969</b>	636425 <b>85243</b>	100
P150	636425 <b>86141</b>	636425 <b>57970</b>	636425 <b>85244</b>	100
P180	636425 <b>86142</b>	636425 <b>85064</b>	636425 <b>85245</b>	100
P220	636425 <b>86143</b>	636425 <b>85065</b>	636425 <b>85246</b>	100
P240	636425 <b>57955</b>	636425 <b>85067</b>	636425 <b>85248</b>	100
P280	636425 <b>86144</b>	636425 <b>85069</b>	636425 <b>85249</b>	100
P320	636425 <b>57959</b>	636425 <b>57973</b>	636425 <b>85250</b>	100
P360	636425 <b>86148</b>	636425 <b>85078</b>	636425 <b>85251</b>	100
P400	636425 <b>57962</b>	636425 <b>57974</b>	636425 <b>85252</b>	100
P500	636425 <b>86150</b>	636425 <b>57975</b>		100
P600	636425 <b>57964</b>	636425 <b>85073</b>		100
P800	636425 <b>84990</b>	636425 <b>85074</b>		100



## Soft-Touch® Norton Pro A275

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Excellent cutting capacity and speed
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent finish and adaptation to curved surfaces
Paper backing coupled with a layer of flexible sponge	High anti-clogging power
No-Fil® treatment	Quick and easy disc replacement
Norgrip® fixing	



Grain	ø150 x 14	ø150 x 18	Quantity
Red P220	636425 <b>57535</b>	636425 <b>57561</b>	20
Electric blue P240	636425 <b>57538</b>	636425 <b>57563</b>	20
Grey P280	636425 <b>57541</b>	636425 <b>57564</b>	20
Salmon P320	636425 <b>57543</b>	636425 <b>57565</b>	20
Pink P360	636425 <b>57545</b>	636425 <b>57567</b>	20
Yellow P400	636425 <b>57546</b>	636425 <b>57569</b>	20
Dark blue P500	636425 <b>57548</b>	636425 <b>57570</b>	20
Fuchsia P600	636425 <b>57550</b>	636425 <b>57572</b>	20
Turquoise P800	636425 <b>57551</b>	636425 <b>57571</b>	20
White P1000	636425 <b>57556</b>	636425 <b>57573</b>	20
Green P1500	636425 <b>57559</b>	636425 <b>57574</b>	20



# FINISHING

## Norgrip® pads

Packaged in an individual transparent blister pack that includes:

- Back-up Pad
- Universal attachment system with Festo adapter, 2 M8 & 5/16" screws three fibre spacer rings and spanner
- Safety recommendations
- Assembly instructions

### Use:

- Maximum use speed permitted:  
 $\varnothing$  150-12,000 rpm •  $\varnothing$  200-9,000 rpm

Density	Colour	Quantity
Hard	Black	Sanding heavy jobs: removal of old paints, enamels, gelcoat. Also used for levelling
Medium	Blue	For finishing, smoothing on fillers, primers, paints, gelcoat, wood and composites
Soft	Pale blue	Final smoothing for obtaining the best finish



Density	$\varnothing$ 150 x 14	$\varnothing$ 150 x 18	$\varnothing$ 150 x 18 universal	$\varnothing$ 200 x 0	Quantity
Soft	63642584834	63642584835			1
Medium	63642584832	63642584884	63642584842	69957371442	1
Hard	63642584830	63642584883			1



## Norgrip® interfaces



	$\varnothing$ 150 x 14	$\varnothing$ 150 x 18	$\varnothing$ 150 x 18 universal	Quantity
	07660707383	69957394590	07660719360	10



## Norgrip® Block

### Use

- For manual use in combination with the Norgrip® discs



Densities	$\varnothing$ 125 x 0	$\varnothing$ 150 x 0	Quantity
Soft		63642596416	6
Medium	63642596411	63642596414	10



## Defect Guide Coat

### Use:

- For manual use with relative block before sanding operations on gelcoat, fillers, primer and paints

Volume	Art. code	Quantity
100 g	66261089454	4





# FINISHING

## BEARTEX® DISCS

These are special discs made of non-woven BearTex® fabric, web made from unlined nylon impregnated with abrasive made of silicon carbide or aluminium oxide.

Suitable for any surface, these discs allow amazing finishes to be obtained in different types of applications such as finishing shafts or wooden parts and eliminating grease or viscosity of surfaces.

### Use:

- For use on rotary honing machines in combination with back-up pad ø 150 M14



CHARACTERISTICS	ADVANTAGES
Silicon carbide abrasive or aluminium oxide abrasive	Excellent speed and finish
Composition of abrasive BearTex® nylon web	Excellent flexibility. Adapts to surfaces
Open structure	Prevents clogging. Long durability
Waterproof	Excellent results also during operations in humid conditions



Grain	Colour	ø150 x 0	Quantity
Very Fine A (320 ca)	Red	636425 <b>57497</b>	10
Ultra Fine S (600 ca)	Grey	636425 <b>57498</b>	10
Micro Fine A (1000 ca)	Gold	699573 <b>83952</b>	10

For back-up pads see page 21

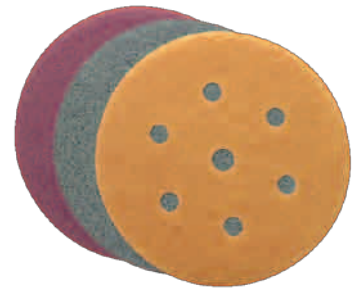
## BEARTEX® NORGRIP® DISCS

The particular shape of the discs combined with the Norgrip® fixing system allows them to be easily used on the most common orbital honing machines; the new drilling system also allows suction even of the smallest traces of dust created during the working stage.

### Use:

- For use on roto-orbital honing machines with Norgrip® ø 150 back-up pad

CHARACTERISTICS	ADVANTAGES
Silicon carbide abrasive or aluminium oxide abrasive	Excellent speed and finish
Composition of abrasive BearTex® nylon web	Excellent flexibility. Adapts to surfaces
Open structure	Prevents clogging. Long durability
Waterproof	Excellent results during operations in humid conditions.
Norgrip® fixing	Quick and easy disc replacement



Grain	Colour	ø150 x 14	Quantity
Very Fine A (320 ca)	Red	699573 <b>83151</b>	10
Ultra Fine S (600 ca)	Grey	699573 <b>83158</b>	10
Micro Fine A (1000 ca)	Gold	699573 <b>83162</b>	10

For Norgrip® back-up pads see page 30



## PORTABLE BELT



Norton offers a well-selected range of belts in different measurements and dimensions for the most common portable honing machines. The belts are particularly effective for wood applications, including smoothing panels, rolled sections for the fitting of boats or the production of covers or bottoms. All the Norton belts are made with reinforced film joints for increasing the resistance and optimising the yield during the working stage.

### Use:

- For use of portable honing machines

## Metalite® R230

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Good cutting capacity. Resistance to clogging
Cotton cloth backing (X-weight)	Resistance to wear. Long durability
Reinforced film joint	Excellent resistance to breaking



Dimensions	Grain	Art. code	Quantity
65 x 410	P60	636425 <b>39576</b>	20
65 x 410	P80	636425 <b>39578</b>	20
75 x 457	P40	636425 <b>38877</b>	20
75 x 457	P60	636425 <b>39426</b>	20
75 x 457	P80	636425 <b>39422</b>	20
75 x 457	P120	636425 <b>39415</b>	20
75 x 533	P40	636425 <b>46289</b>	20
75 x 533	P60	636425 <b>46257</b>	20
75 x 533	P80	636425 <b>34248</b>	20
75 x 533	P100	636425 <b>46273</b>	20
75 x 533	P120	636425 <b>30701</b>	20
75 x 610	P40	636425 <b>46472</b>	20
75 x 610	P60	636425 <b>46473</b>	20
75 x 610	P80	636425 <b>67329</b>	20
75 x 610	P100	636425 <b>45869</b>	20
75 x 610	P120	636425 <b>46476</b>	20
100 x 552	P40	636425 <b>46291</b>	20
100 x 552	P60	636425 <b>46260</b>	20
100 x 552	P80	636425 <b>46249</b>	20
100 x 552	P120	636425 <b>46234</b>	20
100 x 560	P40	636425 <b>46292</b>	20
100 x 560	P60	636425 <b>46262</b>	20
100 x 560	P80	636425 <b>46250</b>	20
100 x 560	P100	636425 <b>49847</b>	20
100 x 560	P120	636425 <b>46235</b>	20
100 x 610	P40	636425 <b>46295</b>	20
100 x 610	P60	636425 <b>60145</b>	20
100 x 610	P80	636425 <b>29798</b>	20
100 x 610	P100	636425 <b>46242</b>	20
100 x 610	P120	636425 <b>29797</b>	20
100 x 620	P40	636425 <b>46457</b>	20
100 x 620	P60	636425 <b>34465</b>	20
100 x 620	P80	636425 <b>29799</b>	20
100 x 620	P100	636425 <b>34770</b>	20
100 x 620	P120	636425 <b>46452</b>	20
100 x 915	P60	636425 <b>45873</b>	20
100 x 915	P80	636425 <b>45875</b>	20
100 x 915	P120	636425 <b>34768</b>	20
110 x 620	P40	636425 <b>30702</b>	20
110 x 620	P60	636425 <b>30700</b>	20
110 x 620	P80	636425 <b>30699</b>	20
110 x 620	P120	636425 <b>46238</b>	20



# FINISHING

## NARROW BELTS

Relative to jobs on wooden surfaces with fixed honing machines, Norton manufactures a range of narrow belts in various types of abrasive, for roughing untreated wood or smoothing painted wood, in different sizes according to the type of machine being used.

### Use:

- For use on fixed block, hand or lever honing machines



### H231

CHARACTERISTICS	ADVANTAGES
High performance aluminium oxide abrasive	Excellent cutting capacity and speed
Very heavy paper backing (F-Weight)	High resistance to wear and breaking
Anti-static treatment	Very high anti-clogging power



### H259

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Excellent cutting capacity
Heavy paper backing (E-Weight)	High resistance to wear and breaking

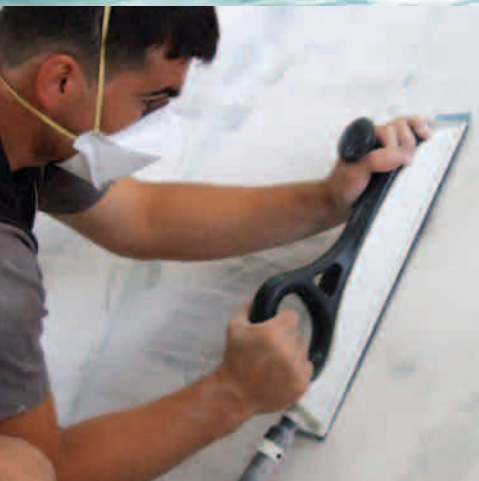


### A277

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Excellent cutting capacity and speed
Semi-heavy paper backing (D-Weight)	Excellent resistance and flexibility
No Fil treatment	High anti-clogging power



NOTE: dimensions, grains and other types of abrasives are available for manufacture. For further information consult the Norton Industrial catalogue.



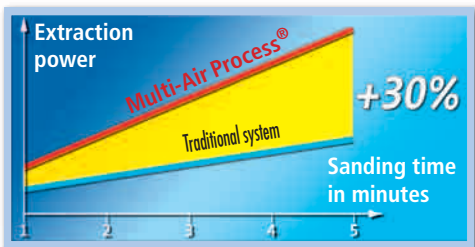
## MULTI-AIR® CUT SHEETS



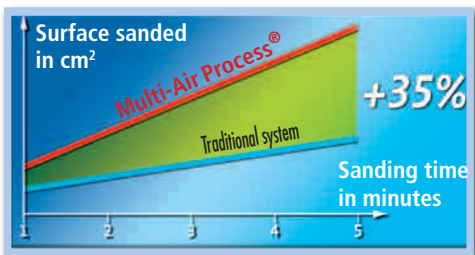
Norton offers a complete range of abrasive Norgrip® cut sheets in Multi-Air® version, blocks for sanding all surfaces, gelcoat, fillers, primers, paints. This innovative sanding system allows the job to be carried out quickly in total absence of dust compared to the traditional systems. The range includes different types of abrasive, from the high-performance NorZon® to the innovative SG® Ceramic, which is particularly suitable for jobs on composite materials, fibreglass, corian, primers, gelcoat and allows a wide range of applications, both on large surfaces and on reduced spaces, always guaranteeing high performance and advantages in terms of health and costs

### Use:

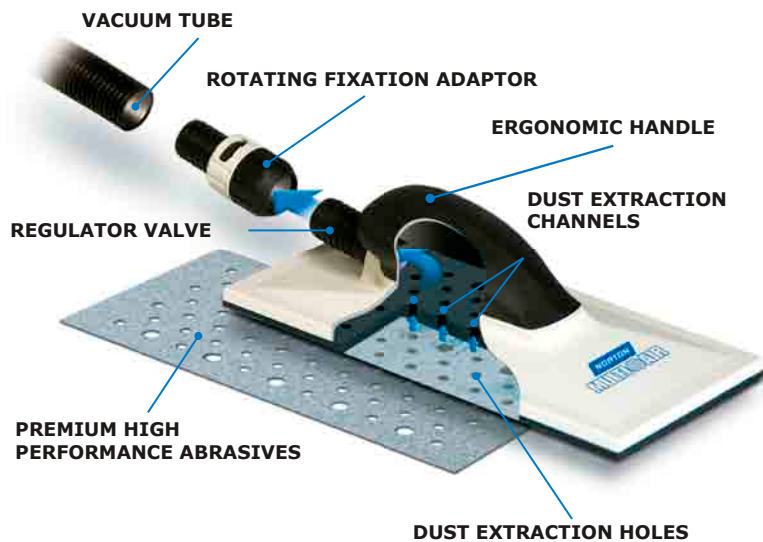
- For use on Multi-Air® blocks with Norgrip® fixing system



30% better dust extraction capacity than conventional system



35% more surface sanded than conventional system



## Blue Fire® H835

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive. High cutting capacity
Heavy and resistant paper backing (E-Weight)	Resistant to breaking and ginning
Open coat distribution	Resistant to clogging
Norgrip® fixing	Quick and easy strip replacement



Grain	70 x 125	70 x 198	70 x 420	115 x 230	115x405	Quantity
P40	69957394449	69957394363	69957394450	69957394452	66261066780	50
P60	69957394350	69957394367	69957394358	69957394453	66261066782	50
P80	69957394355	69957394369	69957394360	69957394454	66261066783	50
P120	69957394357	69957394451	69957394361	69957394455	66261066784	50



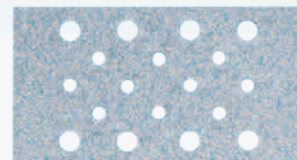
# FINISHING

## Plus A975

CHARACTERISTICS	ADVANTAGES
Ceramic aluminium oxide abrasive	Controlled consumption of the abrasive granule maximum speed, consistency, cutting uniformity
Latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent resistance and flexibility
No-Fil® water-based treatment	High anti-clogging power
Norgrip® fixing	Quick and easy strip replacement

**MULTI-AIR**

Grain	70 x 125	70 x 198	70 x 420	115 x 230	115x405	Quantity
P80	699573 <b>94456</b>	699573 <b>94470</b>	699573 <b>94463</b>	699573 <b>94479</b>	662610 <b>66786</b>	50
P120	699573 <b>94457</b>	699573 <b>94472</b>	699573 <b>94464</b>	699573 <b>94481</b>	662610 <b>66788</b>	50
P150	699573 <b>94458</b>	699573 <b>94473</b>	699573 <b>94465</b>	699573 <b>94482</b>	662610 <b>66791</b>	50
P180	699573 <b>94459</b>	699573 <b>94474</b>	699573 <b>94466</b>	699573 <b>94483</b>	662610 <b>66792</b>	50
P220	699573 <b>96408</b>	699573 <b>96410</b>	699573 <b>96406</b>	699573 <b>96414</b>	662610 <b>66796</b>	50
P240	699573 <b>94460</b>	699573 <b>94475</b>	699573 <b>94467</b>	699573 <b>94484</b>	662610 <b>66793</b>	50
P280	699573 <b>96409</b>	699573 <b>96411</b>	699573 <b>96407</b>	699573 <b>96415</b>	662610 <b>66800</b>	50
P320	699573 <b>94461</b>	699573 <b>94477</b>	699573 <b>94468</b>	699573 <b>94485</b>	662610 <b>66794</b>	50
P400	699573 <b>94462</b>	699573 <b>94478</b>	699573 <b>94469</b>	699573 <b>94486</b>	662610 <b>66795</b>	50



## Multi-Air® blocks

70 x 125	70 x 198	70 x 400	115 x 230	Quantity
699573 <b>96645</b>	699573 <b>96646</b>	699573 <b>96648</b>	699573 <b>96644</b>	1



## Suction pipe

Dimensions	Art. code	Quantity
25/30 x 4m	07660 <b>767979</b>	1

End with conical attachment



## Starter Kit

Dimensions	Art. code	Quantity
4 Multi-Air blocks	699573 <b>96649</b>	1

### The kit includes:

- A set of 4 Multi-Air® blocks with relative air regulation valves





## NORGRIP® DELTA CUT SHEETS



Delta sheets are small abrasive paper cut sheets which, due to their characteristic "delta" shape, complete the range of Norton suction cut sheets. The special Norgrip® fixing system allows easy use on any block and on the relative rectilinear honing machines. They are available in zirconium oxide for heavier ongoing jobs on wood, fillers or paints and in aluminium oxide for cleaning operations on all surfaces.

### Use:

- For use on blocks or rectilinear honing machines with Norgrip® fixing system

## Blue Fire® H835

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive High cutting capacity
Heavy and resistant paper backing (E-Weight)	Resistant to breaking and ginning
Open coat distribution	Resistant to clogging
Norgrip® fixing	Quick and easy strip replacement



Grain	100 x 150	Quantity
P40	69957391019	25
P60	69957391020	25
P80	69957391023	50
P120	69957391025	50

## Norton Pro A275

CHARACTERISTICS	ADVANTAGES
Heat treated aluminium oxide abrasive	Heat treated semi-friable abrasive Excellent cutting capacity
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent flexibility and resistance to ripping
No-Fil® water-based treatment	High anti-clogging power
Norgrip® fixing	Quick and easy strip replacement



Grain	100 x 150	Quantity
P80	69957391028	100
P120	69957391030	100
P150	69957391033	100
P180	69957391034	100
P220	69957391037	100
P240	63642576688	100
P280	69957351543	100
P320	69957351544	100
P360	69957351545	100
P400	69957351546	100
P500	69957351547	100



# FINISHING

## NORGRIP® PAPER ROLLS

Norton Norgrip® rolls are high-performance abrasive rolls, specially designed for the nautical industry and selected for smoothing and finishing large surfaces. The rolls are made up of a combination of the sophisticated Norton abrasive and a paper backing with the special Norgrip® tearing fixing system. Available in aluminium oxide and the high-performance NorZon® grain, the rolls are ideal for the most varied roughing and finishing applications on wood, fibreglass, gelcoat, fillers, primers and paints. They can be cut easily to the required length and are compatible with all kinds of blocks, files or sanding boards.

### Use:

- For use on blocks or files with Norgrip® fixing



## Blue Fire® H835

CHARACTERISTICS	ADVANTAGES
Zirconium oxide abrasive	Self-dressing abrasive. High cutting capacity
Heavy and resistant paper backing (E-Weight)	Resistant to breaking and ginning
Open coat distribution	Resistant to clogging
Norgrip® fixing	Quick and easy replacement



Grain	115 x 25m	Quantity
P40	66261086527	2
P60	66261086528	2
P80	66261086529	2
P100	66261086530	2
P120	66261086531	2

## Norton Pro A275

CHARACTERISTICS	ADVANTAGES
Heat treated aluminium oxide abrasive	Heat treated semi-friable abrasive. Excellent cutting capacity
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent flexibility and resistance to ripping
No-Fil® water-based treatment	High anti-clogging power
Norgrip® fixing	Quick and easy replacement



Grain	75 x 25m	115 x 25m	Quantity
P120	69957391149	69957391218	2
P150	69957391151	69957391219	2
P180	69957391152	69957391220	2
P220	69957391153	69957391221	2
P240	69957391155	69957391222	2
P280	69957391156	69957391223	2
P320	69957391157	69957391224	2
P400	69957391159	69957391225	2

## Norgrip® files

Type	115 x 800	115 x 1200	Quantity
Semi-flexible	66261086538	66261086545	1

## Norgrip® small block

70 x 125	Quantity
07660705180	15





## PAPER ROLLS



Norton paper rolls are suitable for all manual sanding applications in the nautical industry, from sanding gelcoat to smoothing wood and finishing metal. The rolls are available in different dimensions and can be cut easily to the required length for use by hand, or with a block. The roll width has been selected to be compatible with the most common sanding blocks.

### Use:

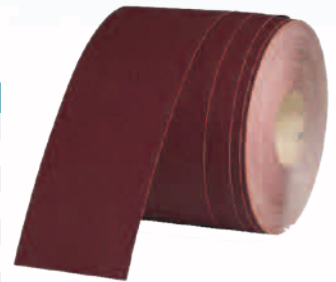
- For manual use, on the relative small block or on orbital honing machines or rectilinear honing machines

### H259

CHARACTERISTICS		ADVANTAGES
Aluminium oxide abrasive		Excellent cutting capacity
Heavy paper backing (E-Weight)		High resistance to wear and breaking

Grain	120 x 50m	Quantity
P40	66261033935	2
P60	66261033849	2
P80	66261033850	2
P100	66261033851	2
P120	66261033852	2
P150	66261033853	2
P180	66261033854	2
P220	66261033934	2



### Norton Pro A275

CHARACTERISTICS		ADVANTAGES
Heat treated aluminium oxide abrasive		Heat treated semi-friable abrasive Excellent cutting capacity
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)		Excellent flexibility and resistance to ripping
Fibre-reinforced latex paper backing (B-Weight)		High anti-clogging power
No-Fil® water-based treatment		

Grain	115 x 50m	Quantity
P80	66261033280	2
P120	69957380761	2
P150	69957380765	2
P180	69957380767	2
P220	69957380769	2
P240	69957380777	2
P280	69957380778	2
P320	69957380779	2
P400	69957380781	2
P500	69957396696	2



### Small rubber block

70 x 120	Quantity
07660717789	12





# FINISHING

## PAPER SHEETS



For the most common manual sanding operations, Norton provides abrasive paper sheets in different abrasive types according to application. Aluminium oxide for dry sanding on old paints, primers, fillers or wood and with silicon carbide combined with waterproof paper for applications in humid conditions for which a fine finish is required.

### Use:

- For manual use or on the relative small block



## Norton Pro A275

CHARACTERISTICS	ADVANTAGES
Heat treated aluminium oxide abrasive	Heat treated semi-friable abrasive Excellent cutting capacity
Fibre reinforced latex light paper backing (P80-P120: C-weight / P150-P800: B-weight)	Excellent flexibility and resistance to ripping
No-Fil® water-based treatment	High anti-clogging power



Grain	230 x 280	Quantity
P80	636425 <b>58015</b>	50
P100	636425 <b>58256</b>	50
P120	636425 <b>58016</b>	100
P150	636425 <b>86145</b>	100
P180	636425 <b>58017</b>	100
P220	636425 <b>86139</b>	100
P240	636425 <b>58018</b>	100
P280	636425 <b>85742</b>	100
P320	636425 <b>86132</b>	100
P360	636425 <b>86133</b>	100
P400	636425 <b>86134</b>	100
P500	636425 <b>86136</b>	100
P600	636425 <b>86137</b>	100
P800	636425 <b>86138</b>	100

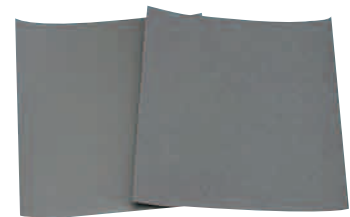


## Black Ice® T402/T417 - T489

CHARACTERISTICS	ADVANTAGES
Silicon carbide abrasive	Excellent cutting speed, uniformity in the finish
Light waterproof paper backing (A-weight - Black Ice®) (B/C weight - T489)	Excellent flexibility and long durability in applications in humid conditions preventing curling



Grain	230 x 280 - Black Ice®	230 x 280 - T489	Quantity
P60		636425 <b>32956</b>	50
P80	662610 <b>21180</b>	636425 <b>32988</b>	50
P100	662610 <b>21182</b>	636425 <b>32989</b>	50
P120	662610 <b>21183</b>	636425 <b>32990</b>	50
P150	662610 <b>21184</b>	636425 <b>32991</b>	50
P180	662610 <b>21185</b>	636425 <b>32957</b>	50
P220	662610 <b>21186</b>	636425 <b>32992</b>	50
P240	662610 <b>21187</b>	636425 <b>32993</b>	50
P280	662610 <b>21188</b>	636425 <b>32994</b>	50
P320	662610 <b>21189</b>	636425 <b>32995</b>	50
P360	662610 <b>21190</b>	636425 <b>32996</b>	50
P400	662610 <b>21191</b>	636425 <b>32997</b>	50
P500	662610 <b>21192</b>	636425 <b>32998</b>	50
P600	662610 <b>21193</b>	636425 <b>32999</b>	50
P800	662610 <b>21195</b>	636425 <b>33000</b>	50
P1000	662610 <b>21196</b>	636425 <b>33001</b>	50
P1200	662610 <b>21197</b>	636425 <b>33002</b>	50
P1500	636425 <b>34713</b>		50
P2000	636425 <b>34719</b>		50
P2500	636425 <b>65497</b>		50





## FLEXIBLE CLOTH SHEETS



The unique combination of the super-flexible cloth backing and aluminium oxide abrasive with resin binder in a double layer allows exceptional resistance and perfect dexterity whilst working. These sheets are ideal for roughing operations, for deoxidation and finishing of metals and the removal of rust.

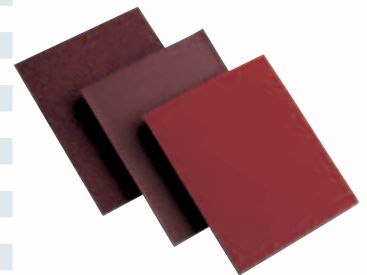
### Use:

- For manual use or on the relative small block

### Metalite® R222

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Excellent cutting capacity
Super-flexible cotton cloth backing (weight J)	High flexibility during use

Grain	230 x 280	Quantity
P36	63642531775	25
P40	63642531776	25
P50	63642531777	25
P60	63642531778	25
P80	63642531779	50
P100	63642531780	50
P120	63642531781	50
P150	63642531782	50
P180	63642531783	50
P220	63642531785	50
P240	63642531786	50
P280	63642531788	50
P320	63642531789	50
P400	63642531790	50
P600	63642534613	50



## BEARTEX® SHEETS



BearTex sheets made of the special non-woven BearTex® fabric, whose flexible characteristic and resistance allows work to be carried out with perfect adherence to the surface to prevent ripping. Good results are obtained both in dry and humid conditions for different applications including, removal of oxides and rust, light smoothing or finishing operations and jobs on wood.

### Use:

- For manual use or on the relative small block

CHARACTERISTICS	ADVANTAGES
Silicon carbide or aluminium oxide abrasive.	Excellent speed and finish
Composed of BearTex® nylon	Excellent flexibility. Adapts to surfaces
Open structure	Prevents clogging. Long durability
Waterproof	Excellent results also during operations in humid conditions

Grain	Colour	150 x 230	Quantity
Very Fine A (320 ca)	Red	66261002752	60
Ultra Fine S (600 ca)	Grey	66261005359	60
Micro Fine A (1000 ca)	Gold	63642557277	60
Generico pulitura	Green	66261018288	60
Senza abrasivo	White	66261045600	60



# FINISHING

## ROTOLO FOAM®



The secret of the Rotolo Foam® comes from the combination of the revolutionary Norton abrasive and the special soft foam backing, with which an excellent finish is obtained, in particular with the very new and exclusive P1000 grain. The Rotolo Foam® is presented in convenient and practical packaging with each sheet pre-cut to make ripping easier and to minimize waste. Used for manual applications, the Rotolo Foam is® is available in a wide range of grains for light sanding operations on edges, finishing and dulling surfaces.



### Use:

- For manual use

CHARACTERISTICS	ADVANTAGES
Aluminium oxide abrasive	Heat treated semi-friable abrasive Excellent cutting capacity
Paper backing coupled with a layer of flexible sponge	Excellent finish and adaptability to curved surface
No-Fil® water-based treatment	High anti-clogging power
Water resistant	Resistant to humidity

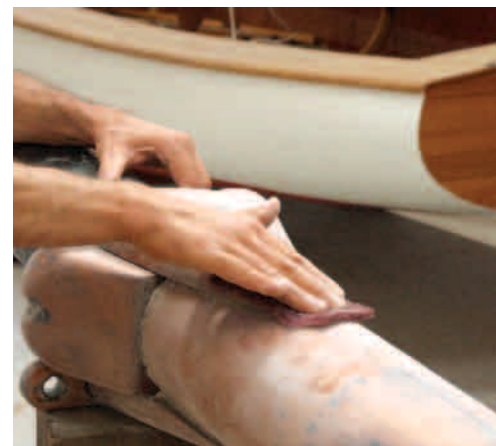
Grit	Colour	115 x 25m	Quantity
P120	Apple Green	63642535316	1
P150	Orange	63642557584	1
P180	Purple	63642557599	1
P220	Red	63642557600	1
P240	Electric Blue	63642557602	1
P280	Grey	63642557604	1
P320	Salmon	63642557606	1
P360	Pink	63642557607	1
P400	Yellow	63642557608	1
P500	Dark Blue	63642557611	1
P600	Fuchsia	63642557612	1
P800	Turquoise	63642557613	1
P1000	White	63642557616	1
P1500	Green	63642557617	1



## BEAR FLEX



BearFlex is a convenient dispenser containing 60 pre-cut sheets of the special non-woven BearTex®. All BearTex® products are made of an unlined nylon web, impregnated uniformly with abrasive granules of aluminium oxide or silicon carbide, bound to synthetic resin. This unique composition makes BearTex® a three-dimensional material which is extremely durable and resistant. It is ideal for manual applications in humid conditions, dulling operations, cleaning and finishing of surfaces, from the removal of oxides and rust, burrs from fibreglass and damaged wood fibres to finishing satined surfaces and wooden parts.



### Use:

- For manual use

CHARACTERISTICS	ADVANTAGES
Silicon carbide or aluminium oxide abrasive	Excellent speed and finish
Composition of abrasive BearTex® nylon web	Extreme flexibility Adapts to surfaces
Open structure	Prevents clogging. Long durability
Waterproof	Excellent results during operations in humid conditions

Grain	Colour	100 x 200	Quantity
Very Fine A	Red	63642557495	1 (60)
Ultra Fine S	Grey	63642557496	1 (60)
Micro Fine A	Gold	69957352836	1 (60)





## ABRASIVE SPONGES



Norton abrasive sponges ensure easy and effective sanding on various types of surfaces such as wood, metal, filler, or painted surfaces. They are effective for accessing paint in grooves, for smoothing wood before painting and for eliminating paint defects.

### Use:

- For manual use

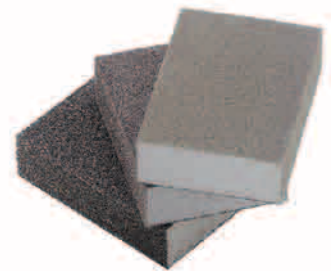
### Two sided

CHARACTERISTICS		ADVANTAGES	
Silicon carbide abrasive		Excellent speed and finish	
Flexible sponge backing		Extreme resistance, flexibility and adaptability to curved surfaces	
Water resistant		Resistant to humidity	
Grain		123 x 98 x 12,5	Quantity
Coarse (60)		076607 <b>17578</b>	60
Medium (100)		076607 <b>05187</b>	60
Fine (180)		076607 <b>05188</b>	60



### Four sided

CHARACTERISTICS		ADVANTAGES	
Aluminium oxide abrasive		Uniform finish	
Rigid sponge backing		Good solidity and manageability on flat surfaces	
Water resistant		Resistant to humidity	
Grain		100 x 68,5 x 27	Quantity
Coarse (60)		076607 <b>17579</b>	60
Medium (100)		076607 <b>05189</b>	60
Fine (180)		076607 <b>05190</b>	60



## SOFT-TOUCH® SPONGES

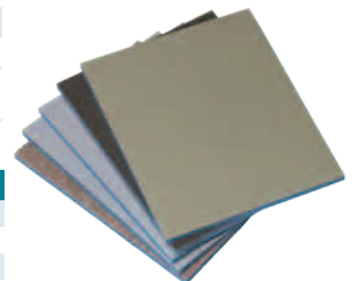


The new Norton Soft-Touch® sponges produce a uniform finish that surpasses conventional abrasives. The sponges are ideal for various manual smoothing applications on paints, plastics, composites and for eliminating scratches on steel sections of the hull. The extreme flexibility, adaptability and manageability of the sponges allows exceptional results to be obtained.

### Use:

- For manual use

CHARACTERISTICS		ADVANTAGES	
Aluminium oxide abrasive		Uniform finish	
Resistant sponge backing		Extreme resistance, flexibility and adaptability to curved surfaces	
Water resistant		Resistant to humidity	
Grain		140 x 115 x 6	Quantity
Medium (120/180)		636425 <b>50599</b>	20
Fine (320/400)		636425 <b>50601</b>	20
Super Fine (500/600)		636425 <b>50602</b>	20
Ultra Fine (800/1000)		636425 <b>50603</b>	20
Micro Fine (1200/P1500)		636425 <b>50604</b>	20



# POLISHING AND CLEANING

## ABRASIVE PASTES AND POLISHES

Norton provides a range of pastes and accessories specially designed for all types of polishing jobs on surfaces to ensure a high quality finish. The Norton Norclean paste has been designed for flexibility, and to satisfy all requirements of various applications. All Norclean® Evolution products are designed with respect for the environment.



CHARACTERISTICS	ADVANTAGES
0 % silicone	Without contaminations
Use with water	Non harmful
	Reduces working time

### NorClean® Evolution 1

APPLICATION	USE
Bright and glossy. Can be used alone for obtaining excellent shine	For the best results use with the Norwool wool sponge is recommended. For use on polishing machines with relative back-up pad

Volume	Art. code	Quantity
500ml	636425 <b>67952</b>	12



### NorClean® Evolution 2

APPLICATION	USE
For improving and protecting the shine and preserving the glossy characteristics of the product. Can be used alone for obtaining an excellent shine	For use after Norclean® Evolution 1. For the best results the soft Norlust pad is recommended. For use on polishing machines with relative back-up pad

Volume	Art. code	Quantity
500ml	636425 <b>67953</b>	12



### NorClean® Evolution Renovation

APPLICATION	USE
For renewing the shine of old paint. Can be used alone for obtaining an excellent shine	For use with Norwool lamb's wool sponge for more aggressive cuts or the soft Norlust pad for lighter cuts. For use on polishing machines with the relative back-up pad

Volume	Art. code	Quantity
500ml	636425 <b>67954</b>	12



# POLISHING AND CLEANING

## LAMBSWOOL AND SPONGE



The Norton range provides accessories which, when used alongside the relative abrasive pastes, obtains better results polishing operations. After many tests, the Norwool lamb's wool sponge has been identified as the best solution for polishing painted and gelcoat parts after sanding. Its composition of natural fibres allows an immediate shine to be obtained. The soft Norlust pad, due to its density and softness, is particularly effective for achieving a further and greater degree of shine. Its open-cell structure allows the polish to be released gradually during use, without spraying, hence improving the finish and shine of the polished surface.

### Use:

- For use on polishing machines with relative back-up pad

### Norwool wool sponge

CHARACTERISTICS	ADVANTAGES
Composed of lamb's wool and natural fibres	Extreme softness and speed of use. High degree of finishing
Norgrip® fixing	Quick and easy to use

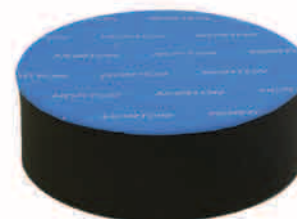
Dimensions	Art. code	Quantity
ø76	636425 <b>67956</b>	12
ø150	636425 <b>67955</b>	6



### Norlust pad

CHARACTERISTICS	ADVANTAGES
Dense sponge structure	Gradual release of the abrasive paste Excellent shine
Norgrip® fixing	Quick and easy to use

Dimensions	Density	Colour	Art. code	Quantity
ø76	Medium	Orange	699573 <b>64060</b>	20
ø76	Soft	Black	699573 <b>64059</b>	20
ø150	Medium	Orange	699573 <b>64057</b>	10
ø150	Soft	Black	699573 <b>64058</b>	10



### Norgrip®



Dimensions	Density	Attachment	Art. code	Quantity
ø76	Medium	5/16	636425 <b>67810</b>	6
ø150	Medium	M14	636425 <b>67812</b>	3



# POLISHING AND CLEANING

## TACK RAG AND ACCESSORIES



Norton offers a complete range of cleaning cloths for both polishing stage and steps during the smoothing stages, as it is important keep the surface clean. Each of these cloths, due to its particular structure, is unique in its kind.

### MicroNet

MicroNet cloth guarantees a high capacity of water and liquid absorption due to its particular micro fibre structure composed of layers of polyester and polyamide. This capacity is due to the polyester content which in the MicroNet is 85% higher than in other products. Suitable for gelcoat parts, paint and metals, the MicroNet cloth can be used dry or damp for removing residuals of polish, dust, etc.

CHARACTERISTICS		ADVANTAGES	
Polyester micro-fibre composition		High absorption capacity	
Dimensions	Description	Art. code	Quantity
400 x 370	Individual package	076607 <b>07984</b>	25



### Cotton Tack Rag

CHARACTERISTICS		ADVANTAGES	
Natural cotton composition		High flexibility. Good retention of the particles	
Dimensions	Description	Art. code	Quantity
650 x 750	Individual package	076607 <b>08050</b>	20



### Non-woven Tack-Rag

CHARACTERISTICS		ADVANTAGES	
Unlined fabric structure		Excellent resistance to breaking Good retention of the particles	
Dimensions	Description	Art. code	Quantity
320 x 400	Individual package	076607 <b>08051</b>	20



### Bucket of cloths for solvents

CHARACTERISTICS		ADVANTAGES	
Unlined cloths		Resistant to breaking	
Dispenser packaging		Quick and easy to use	
Dimensions	Description	Art. code	Quantity
160 x 40	Dispenser 200 pieces	699573 <b>64051</b>	1
160 x 40	Refill 200 pieces	699573 <b>64052</b>	1



### Bucket of polishing cloths

CHARACTERISTICS		ADVANTAGES	
Cloths		Resistant to breaking	
Dispenser packaging		Quick and easy to use	
Dimensions	Description	Art. code	Quantity
320 x 40	Dispenser 300 pieces	076607 <b>18946</b>	1
320 x 40	Refill 300 pieces	076607 <b>18290</b>	1



### Spray bottle

Volume	Art. code	Quantity
1 litre	636425 <b>67945</b>	10



# ADHESIVES AND ACCESSORIES

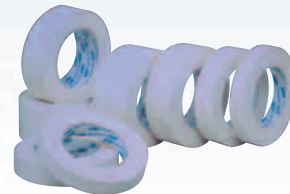
## MASKING TAPE "TOP"



The new adhesive Masking Tape has been designed to comply with the highest quality standards to save the user time whilst obtaining excellent results. It easily adheres to irregular outlines and surfaces and is resistant to high temperatures up to 100 °C (30 minutes).

CHARACTERISTICS	ADVANTAGES
Rubber solvent with adhesive	Good adhesion to all surfaces
Saturated paper backing	High resistance up to 100 °C (30 minutes) Excellent resistance to paint and solvents Easy removal without adhesive residuals Good adaptability to most surfaces Compatible with the most common paints and enamels used Removable without breaking or ripping Manageable

Dimensions	Art. code	Quantity
19 x 50m	699573 <b>94601</b>	48
25 x 50m	699573 <b>94602</b>	36
38 x 50m	699573 <b>94603</b>	24
50 x 50m	699573 <b>94604</b>	24



## OUTDOOR TAPE



Thanks to its excellent weather ability (resistant up to 120°C /1 hour) and good adhesion on various substrates, it proves to be a premium masking tape in the marine market.

Dimensions	Art. code	Quantity
19mm x 50m	<b>66261067434</b>	24
38mm x 50m	<b>66261067435</b>	12



## FINE LINE TAPE



Fine Line Tape for masking has been designed for delimiting in more difficult painting jobs, with good resistance to humidity and does not leave behind residuals. The tape adheres well to surfaces and irregular outlines as it is extremely flexible and adaptable thanks to stretching of 150%.

CHARACTERISTICS	ADVANTAGES
Vinyl backing	Resistant to humidity without leaving traces
Stretching 150 %	Excellent flexibility and adherence to curved surfaces

Dimensions	Art. code	Quantity
3mm x 55m	662611 <b>94993</b>	10
6mm x 55m	662611 <b>94994</b>	10
9mm x 55m	662611 <b>94995</b>	10
12mm x 55m	662611 <b>94996</b>	10
19mm x 55m	662611 <b>94997</b>	10



## DOUBLE-SIDED TAPE



High-density grey foam tape coated with high strength acrylic adhesive on both sides with red polyethylene release liner is designed for bonding medium to large moldings and accessories. High strength acrylic adhesive provides superior adhesion to plastics, metal, and glass and painted vehicle surfaces.

- Used for attaching body side mouldings, cladding, door edges, emblems, fascia rub strips, garnish mouldings, interior trim panels, rocker panel mouldings and pillar covers.
- Instant pressure sensitive bonding
- Remains flexible at low temperatures / high temperatures
- Will not absorb moisture
- Conforms to irregular surfaces

Dimensions	Colour	Art. code	Quantity
11mm x 6,35	<b>Red</b>	636425 <b>05620</b>	12
11mm x 12,7	<b>Red</b>	636425 <b>05621</b>	12
11mm x 22	<b>Red</b>	636425 <b>05622</b>	12



Adhesion promoter is liquid primer to improve the adhesion of acrylic foam attachment tape to exterior and interior trims involving injection moulded and / or plastics.

Contents	Art. code	Quantity
220 ml	636425 <b>05623</b>	12

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**MARINE**





# ADHESIVES AND ACCESSORIES

## OTHER ADHESIVES



### GENERAL PURPOSE CLOTH TAPE

Dimensions	Colour	Art. code	Quantity
50 x 50m	Grey	076607 <b>17720</b>	24



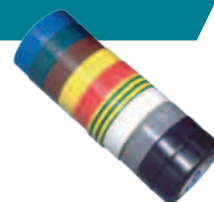
### ALUMINIUM TAPE

Dimensions	Art. code	Quantity
50mm x 50m	07660717719	24



### INSULATION TAPE

Dimensions	Colour	Art. code	Quantity
15 x 10m	10 assorted colours	076607 <b>17713</b>	20
15 x 10m	Black	076607 <b>17710</b>	200
19 x 20m	Black	076607 <b>17712</b>	40
19 x 33m	Black	699573 <b>71415</b>	20



### RUBBER GRINDING WHEEL



The Norton rubber grinding wheel has been designed for removing strips, tapes and adhesive writing from gelcoat, paint and glass without damaging the surface. The wheels are specially made with a ventilated structure for "cold" action to prevent any risk of excessive overheating on the surface of the hull.

#### Use:

- For use on portable lapping machines or drills
- Maximum use speed permitted according to the FEPA standards:  
Ø 100-2,000/4,000 rpm



CHARACTERISTICS	ADVANTAGES
Rubber	No damage to the surface
Ventilated structure	Prevents overheating

Dimensions	Art. code	Quantity
ø100 x 15 x 6	076607 <b>07987</b>	1



### Rubber wheel spindle

Dimensions	Art. code	Quantity
ø6	076607 <b>18162</b>	1



### ANTI-SLIP TAPE

Anti-slip tape comes in the form of adhesive rolls of paper and polyester film onto which a layer of abrasive is applied to eliminate the possibility of slipping on any type of surface, steps, ramps and flat surfaces and walkways. The double colouring is indicative of the specific application, black for outdoors and transparent for indoors.

CHARACTERISTICS	ADVANTAGES
Abrasive grain layer	Maximum hold
Paper and medium weight polyester film backing with adhesive and protection	Excellent resistance to breaking and wear

Dimensions	Black (outdoors)	Transparent (indoors)	Quantity
18 x 3m	699573 <b>49024</b>	699573 <b>49151</b>	2
36 x 3m	699573 <b>49023</b>	699573 <b>49150</b>	1
50 x 3m	699573 <b>49030</b>		1



# NORTON

## MARINE



**The following brands are registered by Saint-Gobain Abrasives**

Adalox® • BearTex® • Black Ice® • Blue Fire® • Durite® • Metalite® • Multi-Air® • Multi-Air Process® • NorClean®  
No-Fil® • Norgrip® • Norstar® • Norton® • NorZon® • Octopus® • Openkote® • Plastifi Im® • Rapid-Strip®  
Rotolo Foam® • SG® • Soft-Touch® • Speed-Lok®

**A special thanks to Riva Spa**

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